

6502 Op-Codes Hexadecimal and Decimal Disassembled

HEX	DEC	OPC	ADR MODE	LEN	HEX	DEC	OPC	ADR MODE	LEN	HEX	DEC	OPC	ADR MODE	LEN
0	0	BRK	Implied	1	60	96	RTS	Implied	1	B0	176	BCS	Relative	2
1	1	ORA	(Indirect,X)	2	61	97	ADC	(Indirect,X)	2	B1	177	LDA	(Indirect),Y	2
5	5	ORA	Zero Page	2	65	101	ADC	Zero Page	2	B4	180	LDY	Zero Page,X	2
6	6	ASL	Zero Page	2	66	102	ROR	Zero Page	2	B5	181	LDA	Zero Page,X	2
8	8	PHP	Implied	1	68	104	PLA	Implied	1	B6	182	LDX	Zero Page,Y	2
9	9	ORA	Immediate	2	69	105	ADC	Immediate	2	B8	184	CLV	Implied	1
0A	10	ASL	Accumulator	1	6A	106	ROR	Accumulator	1	B9	185	LDA	Absolute,Y	3
0D	13	ORA	Absolute	3	6C	108	JMP	(Indirect)	3	BA	186	TSX	Implied	1
0E	14	ASL	Absolute	3	6D	109	ADC	Absolute	3	BC	188	LDY	Absolute,X	3
10	16	BPL	Relative	2	6E	110	ROR	Absolute	3	BD	189	LDA	Absolute,X	3
11	17	ORA	(Indirect),Y	2	70	112	BVS	Relative	2	BE	190	LDX	Absolute,Y	3
15	21	ORA	Zero Page,X	2	71	113	ADC	(Indirect),Y	2	C0	192	CPY	Immediate	2
16	22	ASL	Zero Page,X	2	75	117	ADC	Zero Page,X	2	C1	193	CMP	(Indirect,X)	2
18	24	CLC	Implied	1	76	118	ROR	Zero Page,X	2	C4	196	CPY	Zero Page	2
19	25	ORA	Absolute,Y	3	78	120	SEI	Implied	1	C5	197	CMP	Zero Page	2
1D	29	ORA	Absolute,X	3	79	121	ADC	Absolute,Y	3	C6	198	DEC	Zero Page	2
1E	30	ASL	Absolute,X	3	7D	122	ADC	Absolute,X	3	C8	200	INY	Implied	1
20	32	JSR	Absolute	3	7E	123	ROR	Absolute,X	3	C9	201	CMP	Immediate	2
21	33	AND	(Indirect,X)	2	81	129	STA	(Indirect,X)	2	CA	202	DEX	Implied	1
24	36	BIT	Zero Page	2	84	132	STY	Zero Page	2	CC	204	CPY	Absolute	3
25	37	AND	Zero Page	2	85	133	STA	Zero Page	2	CD	205	CMP	Absolute	3
26	38	ROL	Zero Page	2	86	134	STX	Zero Page	2	CE	206	DEC	Absolute	3
28	40	PLP	Implied	1	88	136	DEY	Implied	1	D0	208	BNE	Relative	2
29	41	AND	Immediate	2	8A	138	TXA	Implied	1	D1	209	CMP	(Indirect),Y	2
2A	42	ROL	Accumulator	1	8C	140	STY	Absolute	3	D5	213	CMP	Zero Page,X	2
2C	44	BIT	Absolute	3	8D	141	STA	Absolute	3	D6	214	DEC	Zero Page,X	2
2D	45	AND	Absolute	3	8E	142	STX	Absolute	3	D8	216	CLD	Implied	1
2E	46	ROL	Absolute	3	90	144	BCC	Relative	2	D9	217	CMP	Absolute,Y	3
30	48	BMI	Relative	2	91	145	STA	(Indirect),Y	2	DD	221	CMP	Absolute,X	3
31	49	AND	(Indirect),Y	2	94	148	STY	Zero Page,X	2	DE	222	DEC	Absolute,X	3
35	53	AND	Zero Page,X	2	95	149	STA	Zero Page,X	2	E0	224	CPX	Immediate	2
36	54	ROL	Zero Page,X	2	96	150	STX	Zero Page,Y	2	E1	225	SBC	(Indirect,X)	2
38	56	SEC	Implied	1	98	152	TYA	Implied	1	E4	228	CPX	Zero Page	2
39	57	AND	Absolute,Y	3	99	153	STA	Absolute,Y	3	E5	229	SBC	Zero Page	2
3D	61	AND	Absolute,X	3	9A	154	TXS	Implied	1	E6	230	INC	Zero Page	2
3E	62	ROL	Absolute,X	3	9D	157	STA	Absolute,X	3	E8	232	INX	Implied	1
40	64	RTI	Implied	1	A0	160	LDY	Immediate	2	E9	233	SBC	Immediate	2
41	65	EOR	(Indirect,X)	2	A1	161	LDA	(Indirect,X)	2	EA	234	NOP	Implied	1
45	69	EOR	Zero Page	2	A2	162	LDX	Immediate	2	EC	236	CPX	Absolute	3
46	70	LSR	Zero Page	2	A4	164	LDY	Zero Page	2	ED	237	SBC	Absolute	3
48	72	PHA	Implied	1	A5	165	LDA	Zero Page	2	EE	238	INC	Absolute	3
49	73	EOR	Immediate	2	A6	166	LDX	Zero Page	2	F0	240	BEQ	Relative	2
4A	74	LSR	Accumulator	1	A8	168	TAY	Implied	1	F1	241	SBC	(Indirect),Y	2
4C	76	JMP	Absolute	3	A9	169	LDA	Immediate	2	F5	245	SBC	Zero Page,X	2
4D	77	EOR	Absolute	3	AA	170	TAX	Implied	1	F6	246	INC	Zero Page,X	2
4E	78	LSR	Absolute	3	AC	172	LDY	Absolute	3	F8	248	SED	Implied	1
50	80	BVC	Relative	2	AD	173	LDA	Absolute	3	F9	249	SBC	Absolute,Y	3
51	81	EOR	(Indirect),Y	2	AE	174	LDX	Absolute	3	FD	253	SBC	Absolute,X	3
55	85	EOR	Zero Page,X	2						FE	254	INC	Absolute,X	3
56	86	LSR	Zero Page,X	2										
58	88	CLI	Implied	1				ADR MODE	LEN	Example				
59	89	EOR	Absolute,Y	3				Accumulator	1	ASL				
5D	94	EOR	Absolute,X	3				Immediate	2	ADC #03				
5E	95	LSR	Absolute,X	3				Zero Page	2	ADC \$0E				
								Zero Page,X	2	CMP \$0C,X				
								Zero Page,Y	2	LDX \$0C,Y				
								Absolute	3	ADC \$0600				
								Absolute,X	3	ADC \$0200,X				
								Absolute,Y	3	ADC \$0200,Y				
								Implied	1	BRK				
								Relative	2	BCC \$10				
								(Indirect,X)	2	ADC (\$0F,X)				
								(Indirect),Y	2	ADC (\$0C),Y				