

# Text Colors

Shows how to change colors in the console.

- Method 1
- Method 2
- Resources

## Method 1 - from [ozzmaker.com](#)

### Color Escape Codes

```
In [ ]: print("\033[1;32;48m Bright Green \n")
```

Bright Green

Entire Color Code = \033[1;32;48m

-- Escape code = \033[

-- Text Style = 1;

-- Text Color = 32;

-- Background Color = 48m (48 is not on the Background Color chart below)

TEXT COLOR	CODE	TEXT STYLE	CODE	BACKGROUND COLOR	CODE
Black	30	No effect	0	Black	40
Red	31	Bold	1	Red	41
Green	32	Underline	2	Green	42
Yellow	33	Negative1	3	Yellow	43
Blue	34	Negative2	5	Blue	44
Purple	35			Purple	45
Cyan	36			Cyan	46
White	37			White	47

### Examples

```
In [ ]: print("\033[1;31;48m Red \n")           # RED text color
print("\033[1;30;48m Hello World! \n")        # BLACK text color
```

Red

Hello World!

### Example2

```
In [ ]: print("\033[1;32;48m Bright Green \n")

print("\033[0;37;48m Normal text\n")
print("\033[2;37;48m Underlined text\033[0;37;48m \n")
print("\033[1;37;48m Bright Colour\033[0;37;48m \n")
print("\033[3;37;48m Negative Colour\033[0;37;48m \n")
print("\033[5;37;48m Negative Colour\033[0;37;48m\n")
```

print("\033[1;37;48m \033[2;37;48mTextColour BlackBackground WhiteText ColouredBackground\033[0;37;48m\n")	TextColour GreyBackground
print("\033[1;30;48m Dark Gray \033[0m 1;30;48m 7m \033[0;37;41m Black \033[0m 0;37;41m")	\033[0;30;47m Black \033[0m 0;30;4
print("\033[1;31;48m Bright Red \033[0m 1;31;48m 7m \033[0;37;42m Black \033[0m 0;37;42m")	\033[0;31;47m Red \033[0m 0;31;4
print("\033[1;32;48m Bright Green \033[0m 1;32;48m 7m \033[0;37;43m Black \033[0m 0;37;43m")	\033[0;32;47m Green \033[0m 0;32;4
print("\033[1;33;48m Yellow \033[0m 1;33;48m 7m \033[0;37;44m Black \033[0m 0;37;44m")	\033[0;33;47m Brown \033[0m 0;33;4
print("\033[1;34;48m Bright Blue \033[0m 1;34;48m 7m \033[0;37;45m Black \033[0m 0;37;45m")	\033[0;34;47m Blue \033[0m 0;34;4
print("\033[1;35;48m Bright Magenta \033[0m 1;35;48m 7m \033[0;37;46m Black \033[0m 0;37;46m")	\033[0;35;47m Magenta \033[0m 0;35;4
print("\033[1;36;48m Bright Cyan \033[0m 1;36;48m 7m \033[0;37;47m Black \033[0m 0;37;47m")	\033[0;36;47m Cyan \033[0m 0;36;4
print("\033[1;37;48m White \033[0m 1;37;48m 0m \033[0;37;48m Black \033[0m 0;37;48m")	\033[0;37;40m Light Grey \033[0m 0;37;4

Bright Green

Normal text

Underlined text

Bright Colour

Negative Colour

Negative Colour

TextColour BlackBackground

Dark Gray	1;30;48m
Bright Red	1;31;48m
Bright Green	1;32;48m
Yellow	1;33;48m
Bright Blue	1;34;48m
Bright Magenta	1;35;48m
Bright Cyan	1;36;48m
White	1;37;48m

TextColour GreyBackground

Black	0;30;47m
Red	0;31;47m
Green	0;32;47m
Brown	0;33;47m
Blue	0;34;47m
Magenta	0;35;47m
Cyan	0;36;47m
Light Grey	0;37;40m

WhiteText ColouredBackground

Black	0;37;41m
Black	0;37;42m
Black	0;37;43m
Black	0;37;44m
Black	0;37;45m
Black	0;37;46m
Black	0;37;47m
Black	0;37;48m

## Method 2 - from Haoyi's Programming Blog page titled: [Building your own Command Line with ANSI escape codes.](#)

```
In [ ]: print("\u001b[31mHello World")
```

Entire color escape code = \u001b[31m

```
In [1]: print("\u001b[31mHello World")
print("Welcom, Dave.")
```

Hello World  
Welcom, Dave.

### Change and Reset

```
In [2]: print("\u001b[31mHelloWorld\u001b[0m")
print("Welcom, Dave.")
```

HelloWorld  
Welcom, Dave.

List of escape codes for different colors.

TEXT COLOR	CODE	TEXT STYLE	CODE	BACKGROUND COLOR	CODE
Black	30	No effect	0	Black	40
Red	31	Bold	1	Red	41
Green	32	Underline	2	Green	42
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Cyan	36			Cyan	46
White	37			White	47

### 256 Colors

```
In [3]: import sys
for i in range(0, 16):
    for j in range(0, 16):
        code = str(i * 16 + j)
        sys.stdout.write(u"\u001b[38;5;" + code + "m " + code.ljust(4))
    print(u"\u001b[0m")
```

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111
112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127
128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175
176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191
192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207
208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223
224	225	226	227	228	229	230		232	233	234	235	236	237	238	239
240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255

## Resources

**Sources and deeper learning research:**

1. ozzmaker.com article: [Add Colour to Text in Python](#)
1. Haoyi's Programming Blog: [Build your own Command Line with ANSI escape codes](#)