

# Converting Colors

XYZ(18.0251, 20.2128, 22.9994)

Have a look what the booklet for  
XYZ(18.0251, 20.2128, 22.9994)  
contains.

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# Color

**XYZ(18.1055, 20.3502,  
23.0524)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6F807F
RGB	111, 128, 127
RGB Percent	44%, 50%, 50%
CMY	0.5647, 0.4980, 0.5020
CMYK	0.13, 0.00, 0.01, 0.50
HSL	176°, 7%, 47%
HSV	176°, 13%, 50%
XYZ	18.1055, 20.3502, 23.0524
YIQ	122.8030, -9.8110, -3.9150

# Conversions

## Conversions Part 2

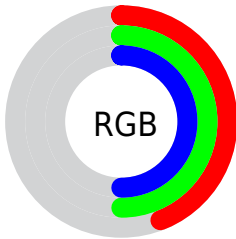
<b>Format</b>	<b>Color</b>
<b>RYB</b>	111, 120, 128
Decimal	7307391
CIELab	52.23, -6.41, -1.56
CIELCh	52, 6.595, 193.703
Yxy	20.3502, 0.2944, 0.3309
Android (android.graphics.Color)	4285497471 (0xFF6F807F)
YUV	122.8030, 2.0691, -10.3512
Hunter-Lab	45.1112, -7.3031, 1.2799

# Details

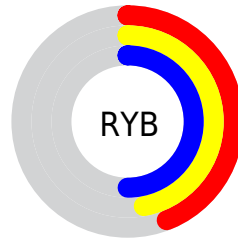
The XYZ color **18.1055, 20.3502, 23.0524** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.5119, 17.1285, 17.7133**, and the grayscale version is **18.7581, 19.7349, 21.4913**.

A 20% lighter version of the original color is **39.8663, 44.1296, 49.5967**, and **6.2210, 7.1988, 8.2693** is the 20% darker color. If you saturate the color by 10%, you get **16.5601, 19.5597, 22.7248**, and if you desaturate by 10%, it is **19.8833, 21.2615, 23.3937**.

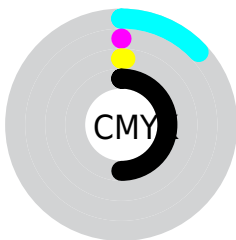
# Distribution



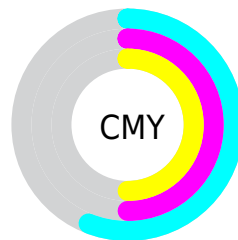
- Red (44%)
- Green (50%)
- Blue (50%)



- Red (44%)
- Yellow (47%)
- Blue (50%)



- Cyan (13%)
- Magenta (0%)
- Yellow (1%)
- Black (50%)



- Cyan (56%)
- Magenta (50%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1055, 20.3502, 23.0524 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 18.1055, 20.3502, 23.0524 by changing the saturation by 10% instead.



■ 18.1055, 20.3502,  
23.0524

■ 18.1055, 20.3502,  
23.0524

234.4991,  
253.8047, 281.1247

■ 11.1259, 12.6499,  
14.4265

■ 39.7457, 44.0035,  
49.4036

■ 6.2195, 7.1879,  
8.2758

■ 55.1370, 60.7253,  
67.9661

■ 3.0209, 3.5799,  
4.1816

■ 74.0629, 81.2231,  
90.6778

■ 1.1648, 1.4414,  
1.7255

■ 96.8888, 105.8811,  
117.9574

■ 0.0783, 0.2470,  
0.3781

123.9800,  
135.0840, 150.2233

■ 0.0000, 0.0000,  
0.0000

155.7019,

169.2159, 187.8941

192.4198,  
208.6613, 231.3884

■ 18.1055, 20.3502,  
23.0524

■ 18.1055, 20.3502,  
23.0524

■ 16.5601, 19.5597,  
22.7248

■ 19.8833, 21.2615,  
23.3937

■ 15.2355, 18.8825,  
22.4089

■ 21.9009, 22.2959,  
23.7477

■ 14.1220, 18.3140,  
22.1049

■ 24.1675, 23.4586,  
24.1153

■ 13.2080, 17.8484,  
21.8122

■ 26.6915, 24.7539,  
24.4969

■ 12.4813, 17.4793,  
21.5301

■ 29.4807, 26.1860,  
24.8928

■ 11.9282, 17.1995,  
21.2580

■ 32.5427, 27.7585,  
25.3034

■ 11.5329, 17.0012,  
20.9952

■ 35.8846, 29.4754,  
25.7291

■ 11.2763, 16.8743,  
20.7408

■ 39.5135, 31.3402,  
26.1702

■ 11.1376, 16.8064,  
20.5725

■ 43.4361, 33.3563,  
26.6270

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.1201, 20.3502, 21.1286



18.1055, 20.3502, 23.0524



18.4168, 20.3502, 24.8335

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.1055, 20.3502, 23.0524



20.2552, 20.3502, 24.9624



19.7097, 20.3502, 18.7703

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



18.1055, 20.3502, 23.0524



17.5119, 17.1285, 17.7133

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



20.2982, 20.3502, 19.6817



18.1055, 20.3502, 23.0524



20.6182, 20.3502, 23.2201

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



18.1055, 20.3502, 23.0524



19.6521, 20.3502, 25.9789



20.6341, 20.3502, 21.2869



19.0357, 20.3502, 18.7312



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



18.1055, 20.3502, 23.0524



18.7715, 20.3502, 25.6693



20.6341, 20.3502, 21.2869



19.9244, 20.3502, 18.9823

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



18.1061, 20.3510, 23.0529



34.7370, 37.2945, 41.1367



17.2881, 20.0404, 17.9963



8.0818, 8.7055, 9.6218



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.1061, 20.3510, 23.0529



30.9945, 35.3775, 40.4055



17.2453, 18.5245, 23.0898



4.4358, 4.8827, 5.4663



11.0434, 16.6639, 20.3990



0.0000, 0.0000, 0.0000



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



17.5119, 17.1285, 17.7133



29.7318, 28.5288, 29.0582



18.2938, 18.7810, 17.7002



4.3373, 4.3481, 4.5805



8.8682, 4.5670, 0.6299



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the XYZ color 18.1055, 20.3502, 23.0524 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 18.1055, 20.3502, 23.0524 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

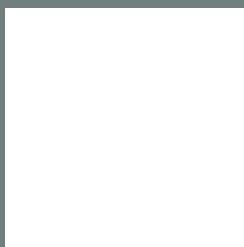
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 18.1055, 20.3502, 23.0524**

## **Background**



This preview shows how black text looks on a background with the XYZ color 18.1055, 20.3502, 23.0524.



This preview shows how white text looks on a background with the XYZ color 18.1055, 20.3502,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

18.1055, 20.3502, 23.0524

### Protanopia

19.5135, 20.3316, 22.2980

### Deuteranopia

20.6313, 20.3281, 23.6052



## Tritanopia

18.9148, 20.4956, 26.6260

# Trichromacy



## Original Color

18.1055, 20.3502, 23.0524

## Protanomaly

18.9847, 20.2385, 22.6445

## Deuteranomaly

19.7081, 20.4094, 23.3228

## Tritanomaly

18.5051, 20.3169, 25.1365

# Monochromacy



## Original Color

18.1055, 20.3502, 23.0524

## Achromatopsia

18.8265, 19.8069, 21.5697

## Achromatomaly

18.5795, 20.0444, 21.9585

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 18.1055, 20.3502, 23.0524 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(111, 128, 127)` looks like.

```
.text, #text, p{  
    color:rgb(111, 128, 127)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(111, 128, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 128, 127) }
```

## Border

The CSS property to change the border of an element to XYZ 18.1055, 20.3502, 23.0524 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(111, 128, 127) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(111, 128, 127) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(111, 128, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 128, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 128, 127);  
box-shadow:4px 4px 4px 4px rgb(111, 128,  
127) }
```

# Background

The CSS property to change the background color of an element to XYZ 18.1055, 20.3502, 23.0524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 128, 127) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(111,  
128, 127) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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