

Converting Colors

XYZ(3.9234, 9.2024, 10.7161)

Have a look what the booklet for
XYZ(3.9234, 9.2024, 10.7161)
contains.

XYZ(6.7118, 10.6052, 10.9258)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(6.7118, 10.6052,
10.9258)**

Conversions

Conversions Part 1

Format	Color
Hex	006858
RGB	0, 104, 88
RGB Percent	0%, 41%, 35%
CMY	1.0000, 0.5922, 0.6549
CMYK	1.00, 0.00, 0.15, 0.59
HSL	171°, 100%, 20%
HSV	171°, 100%, 41%
XYZ	6.7118, 10.6052, 10.9258
YIQ	71.0800, -56.8480, -27.0240

Conversions

Conversions Part 2

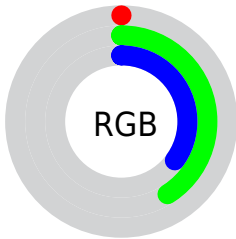
Format	Color
RYB	0, 56, 104
Decimal	26712
CIELab	38.91, -30.00, 1.73
CIELCh	39, 30.053, 176.700
Yxy	10.6052, 0.2376, 0.3755
Android (android.graphics.Color)	4278216792 (0xFF006858)
YUV	71.0800, 8.3416, -62.3372
Hunter-Lab	32.5656, -20.2009, 2.9041

Details

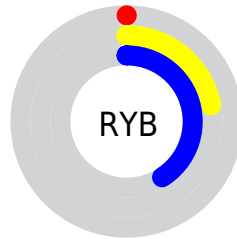
The XYZ color **6.7118, 10.6052, 10.9258** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.8028, 2.9808, 0.7602**, and the grayscale version is **5.9966, 6.3089, 6.8704**.

A 20% lighter version of the original color is **19.1484, 26.9896, 28.2450**, and **1.8502, 3.0028, 2.7676** is the 20% darker color. If you saturate the color by 10%, you get **6.7119, 10.6055, 10.9257**, and if you desaturate by 10%, it is **6.9093, 10.6995, 11.2852**.

Distribution



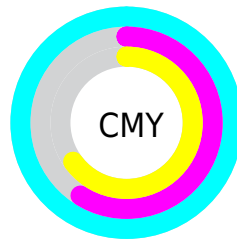
- Red (0%)
- Green (41%)
- Blue (35%)



- Red (0%)
- Yellow (22%)
- Blue (41%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (59%)



- Cyan (100%)
- Magenta (59%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.7118, 10.6052, 10.9258 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 6.7118, 10.6052, 10.9258 by changing the saturation by 10% instead.

6.7118, 10.6052,
10.9258

6.7118, 10.6052,
10.9258

159.8446,
194.9386, 207.8769

3.3272, 5.8020,
5.9034

19.1015, 26.9278,
28.1574

1.3291, 2.7251,
2.7186

28.8374, 39.2160,
41.2038

0.2048, 0.9899,
0.9528

41.4212, 54.7679,
57.7618

0.0000, 0.0000,
0.0000

57.2181, 73.9681,
78.2501

76.5935, 97.2009,
103.0873

99.9128, 124.8506,

132.6917

127.5414,
157.3017, 167.4821

6.7118, 10.6052,
10.9258

6.7118, 10.6052,
10.9258

6.7119, 10.6055,
10.9257

6.9093, 10.6995,
11.2852

7.1528, 10.8171,
11.6541

7.4889, 10.9823,
12.0350

7.9280, 11.2004,
12.4285

8.4787, 11.4759,
12.8350

■ 9.1489, 11.8128,
13.2550

■ 9.9458, 12.2148,
13.6887

■ 10.8758, 12.6853,
14.1366

■ 11.9453, 13.2275,
14.5990

Harmonies

Analogous

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



7.1990, 10.6052, 6.5007



6.7118, 10.6052, 10.9258



7.0239, 10.6052, 17.2270

Triad

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



6.7118, 10.6052, 10.9258



11.9056, 10.6052, 24.4217



12.3385, 10.6052, 4.5787

Complementary

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



6.7118, 10.6052, 10.9258



5.8028, 2.9808, 0.7602

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.



13.9143, 10.6052, 7.2772



6.7118, 10.6052, 10.9258



13.6421, 10.6052, 18.6984

Square

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



6.7118, 10.6052, 10.9258



9.8605, 10.6052, 26.3736



14.4200, 10.6052, 12.1918



10.3026, 10.6052, 3.6802

Rectangle

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



6.7118, 10.6052, 10.9258



7.6691, 10.6052, 21.5424



14.4200, 10.6052, 12.1918



12.9494, 10.6052, 5.2504

Sweetspot

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



6.7121, 10.6056, 10.9261



17.3199, 21.3643, 23.9489



5.1879, 10.0233, 1.6616



4.1156, 5.1568, 5.7850



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



6.7121, 10.6056, 10.9261



11.7424, 18.5928, 18.9956



4.6479, 5.2975, 13.8747



2.8864, 3.1783, 3.5034



8.2643, 13.0693, 13.4193



42.8431, 68.0598, 68.6212

Inverse Universe

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



5.8028, 2.9808, 0.7602



10.1493, 5.2167, 1.1715



6.3007, 4.1262, 0.4647



2.8451, 2.8527, 3.0568



7.1438, 3.6705, 0.8896



37.0421, 19.0568, 3.4989

Previews

White Background



This preview shows how the XYZ color 6.7118, 10.6052, 10.9258 looks on a white 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

Black Background



This preview shows how the XYZ color 6.7118, 10.6052, 10.9258 looks on a black 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

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

XYZ 6.7118, 10.6052, 10.9258

Background



This preview shows how black text looks on a background with the XYZ color 6.7118, 10.6052, 10.9258.



This preview shows how white text looks on a background with the XYZ color 6.7118, 10.6052,

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

6.7118, 10.6052, 10.9258

Protanopia

10.0502, 10.5630, 9.2938

Deuteranopia

10.7162, 10.6094, 11.3805



Tritanopia

7.9207, 10.6727, 16.1106

Trichromacy



Original Color

6.7118, 10.6052, 10.9258

Protanomaly

7.7076, 9.9979, 9.9111

Deuteranomaly

7.9625, 9.8336, 11.1513

Tritanomaly

7.3498, 10.5709, 13.9649

Monochromacy



Original Color

6.7118, 10.6052, 10.9258

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

5.5150, 7.2802, 8.1357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.7118, 10.6052, 10.9258 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(0, 104, 88)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 88)  
}
```

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(0, 104, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 88) }
```

Border

The CSS property to change the border of an element to XYZ 6.7118, 10.6052, 10.9258 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(0, 104, 88) }
```


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

```
.border{ border-color:rgb(0, 104, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 104, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 88);  
box-shadow:4px 4px 4px 4px rgb(0, 104, 88)  
}
```

Background

The CSS property to change the background color of an element to XYZ 6.7118, 10.6052, 10.9258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 88) }
```

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

```
.background{ background-color: rgb(0, 104,  
88) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor