

# Converting Colors

XYZ(11.0243, 12.0272, 13.7779)

Have a look what the booklet for  
XYZ(11.0243, 12.0272, 13.7779)  
contains.

<b>XYZ(11.0765, 12.0679, 13.8021)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(11.0765, 12.0679,  
13.8021)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5B6364
RGB	91, 99, 100
RGB Percent	36%, 39%, 39%
CMY	0.6431, 0.6118, 0.6078
CMYK	0.09, 0.01, 0.00, 0.61
HSL	187°, 5%, 37%
HSV	187°, 9%, 39%
XYZ	11.0765, 12.0679, 13.8021
YIQ	96.7220, -5.0890, -1.3850

# Conversions

## Conversions Part 2

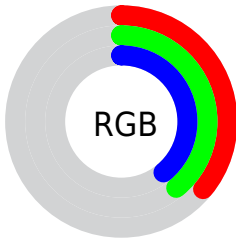
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	91, 95, 100
Decimal	5989220
CIE Lab	41.32, -2.86, -1.63
CIE LCh	41, 3.293, 209.730
Yxy	12.0679, 0.2998, 0.3266
Android (android.graphics.Color)	4284179300 (0xFF5B6364)
<b>YUV</b>	96.7220, 1.6161, -5.0182
Hunter-Lab	34.7389, -3.8783, 0.7607

# Details

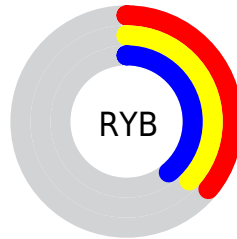
The XYZ color **11.0765, 12.0679, 13.8021** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.9711, 11.1190, 11.4658**, and the grayscale version is **11.2915, 11.8795, 12.9368**.

A 20% lighter version of the original color is **27.4768, 29.7098, 33.5645**, and **2.9979, 3.3611, 3.8589** is the 20% darker color. If you saturate the color by 10%, you get **10.0514, 11.3848, 13.7245**, and if you desaturate by 10%, it is **12.2352, 12.8227, 13.8869**.

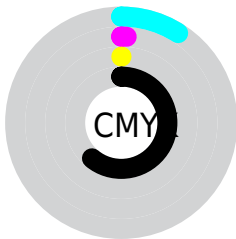
# Distribution



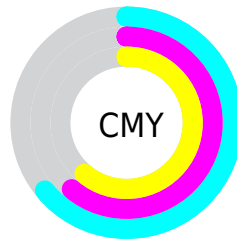
- Red (36%)
- Green (39%)
- Blue (39%)



- Red (36%)
- Yellow (37%)
- Blue (39%)



- Cyan (9%)
- Magenta (1%)
- Yellow (0%)
- Black (61%)



- Cyan (64%)
- Magenta (61%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 11.0765, 12.0679, 13.8021 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 11.0765, 12.0679, 13.8021 by changing the saturation by 10% instead.



■ 11.0765, 12.0679,  
13.8021

■ 11.0765, 12.0679,  
13.8021

192.0891,  
204.8543, 227.3816

■ 6.1860, 6.7899,  
7.8460

■ 27.4332, 29.6187,  
33.4495

■ 3.0002, 3.3311,  
3.9102

■ 39.6302, 42.6603,  
47.9779

■ 1.1539, 1.3069,  
1.5762

■ 54.9933, 59.0587,  
66.2008

■ 0.0695, 0.1466,  
0.2738

■ 73.8880, 79.1981,  
88.5367

■ 0.0000, 0.0000,  
0.0000

■ 96.6795, 103.4629,  
115.4042

123.7333,

132.2377, 147.2219

155.4147,  
165.9066, 184.4082

■ 11.0765, 12.0679,  
13.8021

■ 11.0765, 12.0679,  
13.8021

■ 10.0514, 11.3848,  
13.7245

■ 12.2352, 12.8227,  
13.8869

■ 9.1536, 10.7691,  
13.6529

■ 13.5312, 13.6501,  
13.9783

■ 8.3780, 10.2185,  
13.5875

■ 14.9696, 14.5531,  
14.0768

■ 7.7186, 9.7300,  
13.5280

■ 16.5548, 15.5339,  
14.1826

■ 7.1691, 9.3002,  
13.4740

■ 18.2909, 16.5947,  
14.2958

■ 6.7225, 8.9256,  
13.4252

■ 20.1821, 17.7376,  
14.4167

■ 6.3708, 8.6020,  
13.3813

■ 22.2323, 18.9647,  
14.5455

■ 6.1051, 8.3248,  
13.3418

■ 24.4451, 20.2778,  
14.6824

■ 5.8865, 8.0740,  
13.3049

■ 26.8242, 21.6789,  
14.8274

# Harmonies

## Analogous

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



11.0176, 12.0679, 13.1337



11.0765, 12.0679, 13.8021



11.2405, 12.0679, 14.3073

# Triad

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



11.0765, 12.0679, 13.8021



11.8709, 12.0679, 13.8132



11.4723, 12.0679, 11.8697

# Complementary

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



11.0765, 12.0679, 13.8021



10.9711, 11.1190, 11.4658

# 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.



11.7029, 12.0679, 12.0378



11.0765, 12.0679, 13.8021



11.9350, 12.0679, 13.1461

# Square

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



11.0765, 12.0679, 13.8021



11.6991, 12.0679, 14.3138



11.8731, 12.0679, 12.4992



11.2442, 12.0679, 12.0320



# Rectangle

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



11.0765, 12.0679, 13.8021



11.3886, 12.0679, 14.4752



11.8731, 12.0679, 12.4992



11.5521, 12.0679, 11.8893

# Sweetspot

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



11.0768, 12.0684, 13.8024



20.5905, 21.9236, 24.2831



10.7992, 12.1097, 11.8708



5.0323, 5.3722, 5.9725



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864



# Same Dimension

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



11.0768, 12.0684, 13.8024



18.9808, 20.8679, 24.1642



10.6712, 11.2571, 13.6671



2.8790, 3.1360, 3.5855



7.8332, 10.7383, 17.8042



40.4595, 55.2156, 92.7266



# Inverse Universe

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



11.2490, 11.0927, 13.3531



19.3564, 18.7525, 23.1815



11.3635, 11.9038, 11.5966



2.9235, 2.8840, 3.4695



9.4365, 4.5876, 12.9631



49.0172, 23.8469, 66.5593



# Previews

## White Background



This preview shows how the XYZ color 11.0765, 12.0679, 13.8021 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 11.0765, 12.0679, 13.8021 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

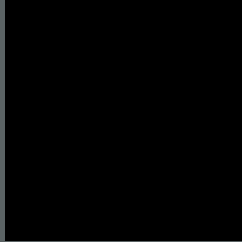
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

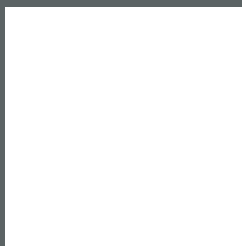
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 11.0765, 12.0679, 13.8021

## Background



This preview shows how black text looks on a background with the XYZ color 11.0765, 12.0679, 13.8021.



This preview shows how white text looks on a background with the XYZ color 11.0765, 12.0679,



# 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

11.0765, 12.0679, 13.8021

### Protanopia

11.6724, 12.1029, 13.5253

### Deuteranopia

12.1774, 11.9483, 13.9763



## Tritanopia

11.3828, 12.0513, 15.3619

# Trichromacy



## Original Color

11.0765, 12.0679, 13.8021

## Protanomaly

11.4437, 12.1230, 13.5412

## Deuteranomaly

11.7874, 12.0147, 14.0097

## Tritanomaly

11.2800, 12.0102, 14.8204

# Monochromacy



## Original Color

11.0765, 12.0679, 13.8021

## Achromatopsia

11.3621, 11.9538, 13.0177

## Achromatomaly

11.2916, 12.0501, 13.2860

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 11.0765, 12.0679, 13.8021 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(91, 99, 100) looks like.

```
.text, #text, p{  
    color:rgb(91, 99, 100)  
}
```

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(91, 99, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 99, 100) }
```

## Border

The CSS property to change the border of an element to XYZ 11.0765, 12.0679, 13.8021 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(91, 99, 100) }
```



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

```
.border{ border-color:rgb(91, 99, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 99, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 99, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 99, 100);  
box-shadow:4px 4px 4px 4px rgb(91, 99,  
100) }
```

# Background

The CSS property to change the background color of an element to XYZ 11.0765, 12.0679, 13.8021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 99, 100) }
```

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

```
.background{ background-color: rgb(91, 99,  
100) }
```

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