

# Converting Colors

XYZ(38.5844, 47.6291, 7.1597)

Have a look what the booklet for  
XYZ(38.5844, 47.6291, 7.1597)  
contains.

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# Color

**XYZ(38.6384, 47.5759,  
7.1466)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9BF00
RGB	185, 191, 0
RGB Percent	73%, 75%, 0%
CMY	0.2745, 0.2510, 0.9999
CMYK	0.03, 0.00, 1.00, 0.25
HSL	62°, 100%, 37%
HSV	62°, 100%, 75%
XYZ	38.6384, 47.5759, 7.1466
YIQ	167.4320, 57.7350, -60.6730

# Conversions

## Conversions Part 2

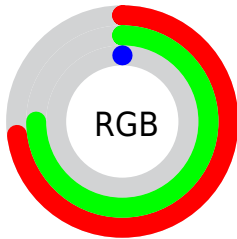
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 191, 6
Decimal	12173056
CIELab	74.56, -19.94, 75.46
CIELCh	75, 78.046, 104.800
Yxy	47.5759, 0.4139, 0.5096
Android (android.graphics.Color)	4290363136 (0xFFB9BF00)
YUV	167.4320, -82.5440, 15.4071
Hunter-Lab	68.9753, -20.7151, 42.1396

# Details

The XYZ color **38.6384, 47.5759, 7.1466** is a dark color, and the websafe version is hex **CCCC00**. A complement of this color would be **9.4802, 3.8012, 49.5272**, and the grayscale version is **37.3148, 39.2581, 42.7520**.

A 20% lighter version of the original color is **72.4399, 86.5432, 20.8692**, and **17.8409, 22.6890, 3.4391** is the 20% darker color. If you saturate the color by 10%, you get **38.6392, 47.5780, 7.1470**, and if you desaturate by 10%, it is **38.9032, 47.7004, 7.7782**.

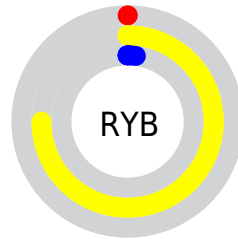
# Distribution



Red (73%)

Green (75%)

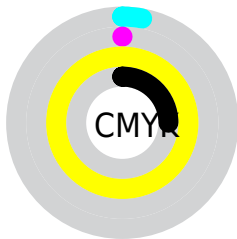
Blue (0%)



Red (0%)

Yellow (75%)

Blue (2%)

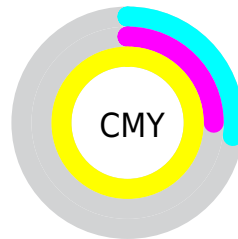


Cyan (3%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (27%)

Magenta (25%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6384, 47.5759, 7.1466 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 38.6384, 47.5759, 7.1466 by changing the saturation by 10% instead.





 38.6384, 47.5759,  
7.1466


 38.6384, 47.5759,  
7.1466


331.5844,  
377.1086, 178.5532


 26.6580, 33.4912,  
3.4741


 72.3832, 86.5726,  
20.7854


 17.4518, 22.5030,  
1.3415


 94.8783, 112.2534,  
31.5888

 10.6544, 14.2269,  
0.0955


 121.6090,  
142.5683, 45.6063

 5.9005, 8.2787,  
0.0000

 152.9407,  
177.9017, 63.2563

 2.8248, 4.2738,  
0.0000

 189.2388,  
218.6381, 84.9575

 1.0618, 1.8279,  
0.0000

 230.8685,

 0.0000, 0.5044,

265.1618, 111.1283

0.0000

278.1952,  
317.8571, 142.1874

■ 0.0000, 0.0000,  
0.0000

■ 38.6384, 47.5759,  
7.1466

■ 38.6384, 47.5759,  
7.1466

■ 38.6392, 47.5780,  
7.1470

■ 38.9032, 47.7004,  
7.7782

■ 39.2839, 47.8695,  
9.0218

■ 39.8235, 48.1022,  
11.0989

■ 40.5432, 48.4071,  
14.1215

■ 41.4610, 48.7913,  
18.1841

■ 42.5928, 49.2612,  
23.3699

■ 43.9527, 49.8223,  
29.7537

■ 45.5537, 50.4800,  
37.4039

■ 47.4077, 51.2390,  
46.3837

# Harmonies

## Analogous

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



52.7105, 47.5759, 7.1841



38.6384, 47.5759, 7.1466



28.6729, 47.5759, 13.9203

# Triad

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



38.6384, 47.5759, 7.1466



28.5742, 47.5759, 128.0841



76.7707, 47.5759, 74.9554

# Complementary

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



38.6384, 47.5759, 7.1466



9.4802, 3.8012, 49.5272

# 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.



67.1518, 47.5759, 128.7860



38.6384, 47.5759, 7.1466



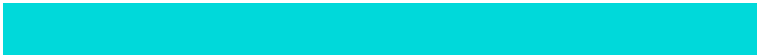
38.4741, 47.5759, 168.7440

# Square

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



38.6384, 47.5759, 7.1466



23.7377, 47.5759, 74.2878



52.5083, 47.5759, 169.0523



76.8404, 47.5759, 34.3841



# Rectangle

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



38.6384, 47.5759, 7.1466



24.8489, 47.5759, 25.2667



52.5083, 47.5759, 169.0523



74.4707, 47.5759, 92.4166

# Sweetspot

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



38.6395, 47.5781, 7.1476



78.5867, 89.1740, 52.6791



21.5220, 11.1466, 1.0178



17.0193, 19.4838, 10.4470



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



38.6395, 47.5781, 7.1476



69.1578, 85.1862, 12.7976



23.0787, 39.5562, 6.4193



10.2918, 11.1048, 10.1776



25.4050, 31.2726, 4.6972



1.0045, 1.2298, 0.1844



# Inverse Universe

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



9.4802, 3.8012, 49.5272



16.9399, 6.7872, 88.6964



14.5172, 6.3978, 49.7630



9.0435, 9.2393, 11.9789



6.2424, 2.5041, 32.5472



0.2541, 0.1030, 1.2754



# Previews

## White Background



This preview shows how the XYZ color 38.6384, 47.5759, 7.1466 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 38.6384, 47.5759, 7.1466 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 ✓ Pass

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

**XYZ 38.6384, 47.5759, 7.1466**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.6384, 47.5759, 7.1466.



This preview shows how white text looks on a background with the XYZ color 38.6384, 47.5759,



# 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

38.6384, 47.5759, 7.1466

### Protanopia

42.8726, 47.5464, 6.9177

### Deuteranopia

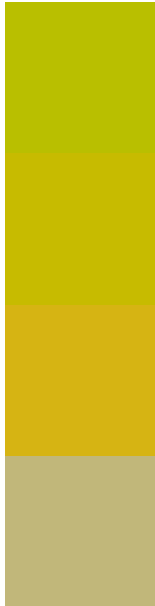
48.3254, 47.3548, 7.8217



## Tritanopia

48.6131, 47.6081, 55.9173

# Trichromacy



## Original Color

38.6384, 47.5759, 7.1466

## Protanomaly

41.3235, 47.6828, 7.0257

## Deuteranomaly

44.1704, 46.9857, 7.3572

## Tritanomaly

42.4387, 46.6096, 25.1721

# Monochromacy



## Original Color

38.6384, 47.5759, 7.1466

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

35.5824, 41.0899, 19.6914

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.6384, 47.5759, 7.1466 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(185, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(185, 191, 0)  
}
```

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(185, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 191, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 38.6384, 47.5759, 7.1466 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(185, 191, 0) }
```



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

```
.border{ border-color:rgb(185, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(185, 191,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.6384, 47.5759, 7.1466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 191, 0) }
```

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

```
.background{ background-color: rgb(185,  
191, 0) }
```

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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