

# Converting Colors

XYZ(38.3757, 45.2281, 6.7073)

Have a look what the booklet for  
XYZ(38.3757, 45.2281, 6.7073)  
contains.

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# Color

**XYZ(38.3757, 45.2281,  
6.7073)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEB800
RGB	190, 184, 0
RGB Percent	75%, 72%, 0%
CMY	0.2549, 0.2784, 0.9999
CMYK	0.00, 0.03, 1.00, 0.25
HSL	58°, 100%, 37%
HSV	58°, 100%, 75%
XYZ	38.3757, 45.2281, 6.7073
YIQ	164.8180, 62.6400, -55.9520

# Conversions

## Conversions Part 2

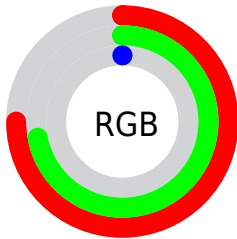
<b>Format</b>	<b>Color</b>
<b>RYB</b>	6, 190, 0
Decimal	12498944
CIELab	73.04, -14.25, 74.53
CIELCh	73, 75.883, 100.823
Yxy	45.2281, 0.4249, 0.5008
Android (android.graphics.Color)	4290689024 (0xFFBEB800)
YUV	164.8180, -81.2553, 22.0846
Hunter-Lab	67.2518, -15.8338, 41.1631

# Details

The XYZ color **38.3757, 45.2281, 6.7073** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **9.3597, 3.8484, 48.9643**, and the grayscale version is **36.0352, 37.9119, 41.2860**.

A 20% lighter version of the original color is **72.0324, 83.2234, 19.8566**, and **17.6320, 21.1381, 3.1508** is the 20% darker color. If you saturate the color by 10%, you get **38.3765, 45.2299, 6.7076**, and if you desaturate by 10%, it is **38.6191, 45.5269, 7.3691**.

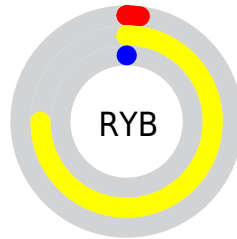
# Distribution



Red (75%)

Green (72%)

Blue (0%)



Red (2%)

Yellow (75%)

Blue (0%)

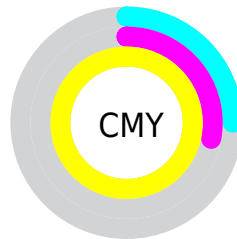


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (28%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3757, 45.2281, 6.7073 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 38.3757, 45.2281, 6.7073 by changing the saturation by 10% instead.





 38.3757, 45.2281,  
6.7073


 38.3757, 45.2281,  
6.7073


330.4819,  
367.6966, 174.7465


 26.4529, 31.6371,  
3.2041


 71.9838, 83.0626,  
19.8847


 17.2973, 21.0845,  
1.1998


 94.3999, 108.0749,  
30.3959

 10.5433, 13.1858,  
0.0000


 121.0444,  
137.6631, 44.0801

 5.8256, 7.5566,  
0.0000

 152.2828,  
172.2116, 61.3560

 2.7790, 3.8126,  
0.0000

 188.4804,  
212.1049, 82.6421

 1.0380, 1.5693,  
0.0000

 230.0026,

 0.0000, 0.3367,

257.7271, 108.3568

0.0000

277.2146,  
309.4629, 138.9188

■ 0.0000, 0.0000,  
0.0000

■ 38.3757, 45.2281,  
6.7073

■ 38.3757, 45.2281,  
6.7073

■ 38.3765, 45.2299,  
6.7076

■ 38.6191, 45.5269,  
7.3691

■ 38.9769, 45.8705,  
8.6350

■ 39.4916, 46.2778,  
10.7246

■ 40.1842, 46.7571,  
13.7482

■ 41.0724, 47.3154,  
17.7992

■ 42.1718, 47.9591,  
22.9598

■ 43.4964, 48.6937,  
29.3037

■ 45.0590, 49.5244,  
36.8985

■ 46.8715, 50.4558,  
45.8064

# Harmonies

## Analogous

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



51.9195, 45.2281, 7.4629



38.3757, 45.2281, 6.7073



28.3810, 45.2281, 12.0783

# Triad

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



38.3757, 45.2281, 6.7073



26.4357, 45.2281, 114.0696



71.8481, 45.2281, 77.3390

# Complementary

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



38.3757, 45.2281, 6.7073



9.3597, 3.8484, 48.9643

# 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.



61.9037, 45.2281, 127.7519



38.3757, 45.2281, 6.7073



35.1444, 45.2281, 155.4279

# Square

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



38.3757, 45.2281, 6.7073



22.4923, 45.2281, 64.2696



47.9557, 45.2281, 161.4278



73.2106, 45.2281, 36.7671



# Rectangle

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



38.3757, 45.2281, 6.7073



24.3473, 45.2281, 21.5351



47.9557, 45.2281, 161.4278



69.3148, 45.2281, 94.1133

# Sweetspot

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



38.3767, 45.2302, 6.7082



78.6932, 88.1707, 52.4798



21.2701, 10.9614, 1.1771



17.0459, 19.2329, 10.3971



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.



38.3767, 45.2302, 6.7082



69.5078, 81.8908, 12.1431



23.8187, 39.6132, 6.3913



10.2957, 11.0675, 10.1702



25.5297, 30.0983, 4.4640



1.0082, 1.1953, 0.1776



# Inverse Universe

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



9.3597, 3.8484, 48.9643



16.9273, 6.9065, 88.7200



13.3833, 5.8260, 49.1340



9.0400, 9.2723, 11.9855



6.2343, 2.5804, 32.5624



0.2526, 0.1178, 1.2783



# Previews

## White Background



This preview shows how the XYZ color 38.3757, 45.2281, 6.7073 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 38.3757, 45.2281, 6.7073 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 38.3757, 45.2281, 6.7073**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.3757, 45.2281, 6.7073.



This preview shows how white text looks on a background with the XYZ color 38.3757, 45.2281,



# 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

38.3757, 45.2281, 6.7073

### Protanopia

40.6784, 45.1991, 6.5803

### Deuteranopia

45.9366, 44.9973, 7.3011



## Tritanopia

47.5718, 45.1431, 51.5536

# Trichromacy



## Original Color

38.3757, 45.2281, 6.7073

## Protanomaly

39.8126, 45.0535, 6.5979

## Deuteranomaly

42.8717, 44.8465, 6.9270

## Tritanomaly

42.0249, 44.3408, 23.1733

# Monochromacy



## Original Color

38.3757, 45.2281, 6.7073

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

34.7579, 39.5236, 19.1615

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.3757, 45.2281, 6.7073 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(190, 184, 0)` looks like.

```
.text, #text, p{  
    color:rgb(190, 184, 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(190, 184, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 184, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 38.3757, 45.2281, 6.7073 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(190, 184, 0) }
```



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

```
.border{ border-color:rgb(190, 184, 0) }
```

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

Here you see how a box with a 4 pixel rgb(190, 184, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 184, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 184, 0);  
box-shadow:4px 4px 4px 4px rgb(190, 184,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.3757, 45.2281, 6.7073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 184, 0) }
```

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

```
.background{ background-color: rgb(190,  
184, 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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