

Converting Colors

XYZ(37.5779, 45.7914, 6.2065)

Have a look what the booklet for
XYZ(37.5779, 45.7914, 6.2065)
contains.

XYZ(37.7779, 45.8549, 6.8598)	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(37.7779, 45.8549,
6.8598)**

Conversions

Conversions Part 1

Format	Color
Hex	B9BB00
RGB	185, 187, 0
RGB Percent	73%, 73%, 0%
CMY	0.2745, 0.2666, 0.9999
CMYK	0.01, 0.00, 1.00, 0.27
HSL	61°, 100%, 37%
HSV	61°, 100%, 73%
XYZ	37.7779, 45.8549, 6.8598
YIQ	165.0840, 58.8350, -58.5810

Conversions

Conversions Part 2

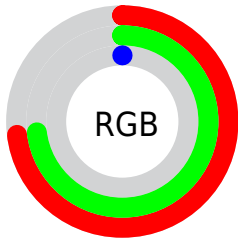
Format	Color
RYB	0, 187, 2
Decimal	12172032
CIELab	73.45, -17.94, 74.64
CIELCh	73, 76.771, 103.516
Yxy	45.8549, 0.4175, 0.5067
Android (android.graphics.Color)	4290362112 (0xFFB9BB00)
YUV	165.0840, -81.3864, 17.4663
Hunter-Lab	67.7162, -18.9209, 41.3952

Details

The XYZ color **37.7779, 45.8549, 6.8598** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **8.9958, 3.6016, 47.2376**, and the grayscale version is **36.1654, 38.0488, 41.4352**.

A 20% lighter version of the original color is **71.1920, 84.1077, 20.2668**, and **17.2775, 21.5622, 3.2513** is the 20% darker color. If you saturate the color by 10%, you get **37.7788, 45.8570, 6.8601**, and if you desaturate by 10%, it is **37.9424, 45.9280, 7.4689**.

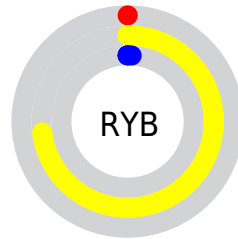
Distribution



Red (73%)

Green (73%)

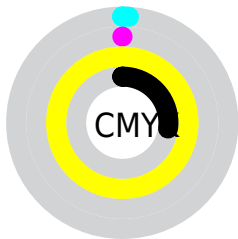
Blue (0%)



Red (0%)

Yellow (73%)

Blue (1%)

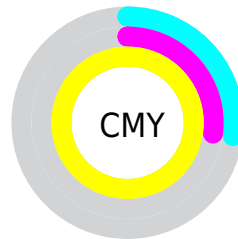


Cyan (1%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7779, 45.8549, 6.8598 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 37.7779, 45.8549, 6.8598 by changing the saturation by 10% instead.


 37.7779, 45.8549,
6.8598


 37.7779, 45.8549,
6.8598


327.9636,
370.2250, 176.0801

 25.9868, 32.1313,
3.2975

 71.0737, 84.0018,
20.1986


 16.9464, 21.4618,
1.2485


 93.3091, 109.1939,
30.8122

 10.2913, 13.4620,
0.0190


 119.7566,
138.9777, 44.6133

 5.6563, 7.7474,
0.0000

 150.7816,
173.7375, 62.0204

 2.6759, 3.9338,
0.0000

 186.7494,
213.8577, 83.4521

 0.9848, 1.6366,
0.0000

 228.0255,

 0.0000, 0.3821,

259.7228, 109.3270

0.0000

274.9751,
311.7171, 140.0634

■ 0.0000, 0.0000,
0.0000

■ 37.7779, 45.8549,
6.8598

■ 37.7779, 45.8549,
6.8598

■ 37.7788, 45.8570,
6.8601

■ 37.9424, 45.9280,
7.4689

■ 38.2163, 46.0432,
8.6582

■ 38.6411, 46.2187,
10.6416

■ 39.2369, 46.4627,
13.5251

■ 40.0207, 46.7818,
17.3984

■ 41.0076, 47.1822,
22.3405

■ 42.2109, 47.6692,
28.4222

■ 43.6430, 48.2477,
35.7086

■ 45.3154, 48.9223,
44.2596

Harmonies

Analogous

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



51.3961, 45.8549, 7.1294



37.7779, 45.8549, 6.8598



28.0031, 45.8549, 13.0283

Triad

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



37.7779, 45.8549, 6.8598



27.2991, 45.8549, 120.8733



73.6174, 45.8549, 74.2133

Complementary

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



37.7779, 45.8549, 6.8598



8.9958, 3.6016, 47.2376

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.



64.0796, 45.8549, 125.8642



37.7779, 45.8549, 6.8598



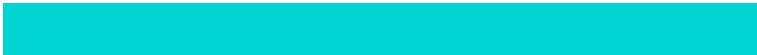
36.6061, 45.8549, 160.9791

Square

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



37.7779, 45.8549, 6.8598



22.8549, 45.8549, 69.4598



49.9558, 45.8549, 163.1706



74.1136, 45.8549, 34.4511

Rectangle

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



37.7779, 45.8549, 6.8598



24.1878, 45.8549, 23.5131



49.9558, 45.8549, 163.1706



71.2852, 45.8549, 91.1051

Sweetspot

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



37.7789, 45.8570, 6.8607



75.4786, 85.3231, 50.3106



20.4951, 10.5659, 0.9598



16.4117, 18.7047, 10.0164



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



37.7789, 45.8570, 6.8607



67.6436, 82.1175, 12.2851



22.3378, 37.8969, 6.1381



10.3119, 11.1152, 10.1786



26.0326, 31.5962, 4.7266



1.0230, 1.2393, 0.1853

Inverse Universe

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



8.9958, 3.6016, 47.2376



16.0971, 6.4426, 84.5965



13.5367, 5.9425, 47.4501



9.0257, 9.2301, 11.9781



6.2014, 2.4830, 32.5453



0.2462, 0.0990, 1.2750

Previews

White Background



This preview shows how the XYZ color 37.7779, 45.8549, 6.8598 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 37.7779, 45.8549, 6.8598 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 37.7779, 45.8549, 6.8598

Background



This preview shows how black text looks on a background with the XYZ color 37.7779, 45.8549, 6.8598.



This preview shows how white text looks on a background with the XYZ color 37.7779, 45.8549,

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

37.7779, 45.8549, 6.8598

Protanopia

41.1525, 45.7443, 6.6606

Deuteranopia

46.7796, 45.7085, 7.5195



Tritanopia

47.1317, 45.7303, 53.3564

Trichromacy



Original Color

37.7779, 45.8549, 6.8598

Protanomaly

39.6984, 45.6027, 6.7099

Deuteranomaly

42.9827, 45.4850, 7.0863

Tritanomaly

41.4422, 44.9096, 23.9369

Monochromacy



Original Color

37.7779, 45.8549, 6.8598

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.5066, 39.6777, 19.2045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7779, 45.8549, 6.8598 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, 187, 0)` looks like.

```
.text, #text, p{  
    color:rgb(185, 187, 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, 187, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 187, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.7779, 45.8549, 6.8598 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, 187, 0) }
```


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

```
.border{ border-color:rgb(185, 187, 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, 187, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 187, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 187, 0);  
box-shadow:4px 4px 4px 4px rgb(185, 187,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7779, 45.8549, 6.8598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 187, 0) }
```

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

```
.background{ background-color: rgb(185,  
187, 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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