

Converting Colors

XYZ(40.5229, 52.9445, 8.0835)

Have a look what the booklet for
XYZ(40.5229, 52.9445, 8.0835)
contains.

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Color

**XYZ(40.4153, 52.8890,
8.0785)**

Conversions

Conversions Part 1

Format	Color
Hex	B4CC00
RGB	180, 204, 0
RGB Percent	71%, 80%, 0%
CMY	0.2941, 0.2000, 0.9999
CMYK	0.12, 0.00, 1.00, 0.20
HSL	67°, 100%, 40%
HSV	67°, 100%, 80%
XYZ	40.4153, 52.8890, 8.0785
YIQ	173.5680, 51.1800, -68.5320

Conversions

Conversions Part 2

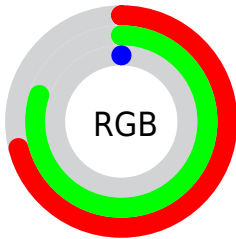
Format	Color
RYB	0, 204, 24
Decimal	11848704
CIELab	77.81, -28.36, 77.70
CIELCh	78, 82.716, 110.054
Yxy	52.8890, 0.3986, 0.5217
Android (android.graphics.Color)	4290038784 (0xFFB4CC00)
YUV	173.5680, -85.5690, 5.6409
Hunter-Lab	72.7248, -28.0708, 44.3213

Details

The XYZ color **40.4153, 52.8890, 8.0785** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed chartreuse. A complement of this color would be **11.2774, 4.5550, 57.4147**, and the grayscale version is **40.4196, 42.5245, 46.3092**.

A 20% lighter version of the original color is **73.2954, 90.6854, 22.0285**, and **18.9324, 25.9503, 4.0111** is the 20% darker color. If you saturate the color by 10%, you get **40.4157, 52.8910, 8.0789**, and if you desaturate by 10%, it is **41.1103, 53.2341, 8.7903**.

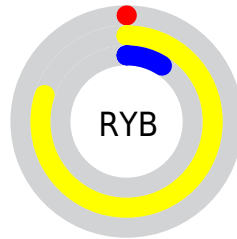
Distribution



Red (71%)

Green (80%)

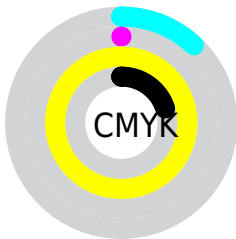
Blue (0%)



Red (0%)

Yellow (80%)

Blue (9%)

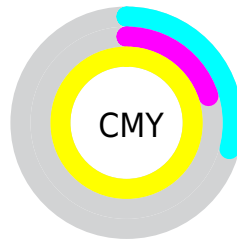


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (29%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4153, 52.8890, 8.0785 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 40.4153, 52.8890, 8.0785 by changing the saturation by 10% instead.


 40.4153, 52.8890,
8.0785


 40.4153, 52.8890,
8.0785


338.9754,
397.8591, 186.3040


 28.0481, 37.7142,
4.0567


 75.0758, 94.4410,
22.6609

 18.5026, 25.7609,
1.6565


 98.0999, 121.5870,
34.0586


 11.4133, 16.6449,
0.3307


 125.4070,
153.4921, 48.7520

 6.4149, 9.9816,
0.0000

 157.3625,
190.5408, 67.1597

 3.1420, 5.3868,
0.0000

 194.3317,
233.1175, 89.7002

 1.2293, 2.4759,
0.0000

 236.6801,

 0.1293, 0.8646,

281.6065, 116.7921

0.0000

284.7728,
336.3922, 148.8538

■ 0.0000, 0.0000,
0.0000

■ 40.4153, 52.8890,
8.0785

■ 40.4153, 52.8890,
8.0785

■ 40.4157, 52.8910,
8.0789

■ 41.1103, 53.2341,
8.7903

■ 41.9509, 53.6366,
10.2238

■ 42.9855, 54.1178,
12.6271

■ 44.2390, 54.6877,
16.1325

■ 45.7329, 55.3549,
20.8516

■ 47.4856, 56.1268,
26.8824

■ 49.5140, 57.0101,
34.3128

■ 51.8334, 58.0110,
43.2232

■ 54.4579, 59.1351,
53.6879

Harmonies

Analogous

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



55.7880, 52.8890, 7.0388



40.4153, 52.8890, 8.0785



30.1335, 52.8890, 17.4480

Triad

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



40.4153, 52.8890, 8.0785



32.9496, 52.8890, 155.3506



87.1894, 52.8890, 74.2340

Complementary

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



40.4153, 52.8890, 8.0785



11.2774, 4.5550, 57.4147

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.



77.8237, 52.8890, 134.9795



40.4153, 52.8890, 8.0785



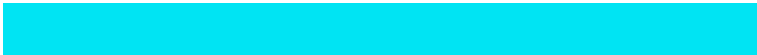
45.1273, 52.8890, 195.8077

Square

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



40.4153, 52.8890, 8.0785



26.5020, 52.8890, 93.5079



61.6077, 52.8890, 186.8372



85.1741, 52.8890, 32.2927

Rectangle

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



40.4153, 52.8890, 8.0785



26.4889, 52.8890, 32.4002



61.6077, 52.8890, 186.8372



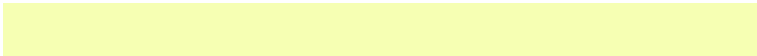
85.2027, 52.8890, 93.2899

Sweetspot

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



40.4165, 52.8914, 8.0796



81.8512, 94.3468, 56.2799



25.2263, 13.4841, 1.2738



17.2019, 20.0561, 10.8676



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



40.4165, 52.8914, 8.0796



66.8083, 87.5260, 13.3730



24.7539, 44.8171, 7.3466



12.0188, 13.0271, 11.9605



25.4883, 33.3150, 5.0871



1.3526, 1.7381, 0.2642

Inverse Universe

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



11.2774, 4.5550, 57.4147



18.5857, 7.4962, 95.0751



19.4765, 8.7818, 57.7984



10.7224, 10.9062, 14.1103



7.1386, 2.8876, 36.1374



0.4102, 0.1706, 1.8662

Previews

White Background



This preview shows how the XYZ color 40.4153, 52.8890, 8.0785 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 40.4153, 52.8890, 8.0785 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 40.4153, 52.8890, 8.0785

Background



This preview shows how black text looks on a background with the XYZ color 40.4153, 52.8890, 8.0785.



This preview shows how white text looks on a background with the XYZ color 40.4153, 52.8890,

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

40.4153, 52.8890, 8.0785

Protanopia

47.4649, 52.4510, 7.6224

Deuteranopia

53.6493, 52.4545, 8.8872



Tritanopia

51.9386, 52.8368, 65.2187

Trichromacy



Original Color

40.4153, 52.8890, 8.0785

Protanomaly

44.6418, 52.3172, 7.7454

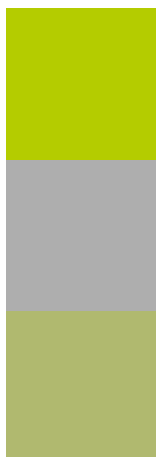
Deuteranomaly

47.7717, 51.9449, 8.2676

Tritanomaly

44.7796, 51.5891, 28.7166

Monochromacy



Original Color

40.4153, 52.8890, 8.0785

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.1227, 45.0757, 21.7301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4153, 52.8890, 8.0785 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(180, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(180, 204, 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(180, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.4153, 52.8890, 8.0785 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(180, 204, 0) }
```


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

```
.border{ border-color:rgb(180, 204, 0) }
```

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

Here you see how a box with a 4 pixel rgb(180, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(180, 204,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4153, 52.8890, 8.0785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 204, 0) }
```

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

```
.background{ background-color: rgb(180,  
204, 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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