

Converting Colors

XYZ(40.2361, 52.7967, 8.0701)

Have a look what the booklet for
XYZ(40.2361, 52.7967, 8.0701)
contains.

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Color

**XYZ(40.1833, 52.7694,
8.0676)**

Conversions

Conversions Part 1

Format	Color
Hex	B3CC00
RGB	179, 204, 0
RGB Percent	70%, 80%, 0%
CMY	0.2980, 0.2000, 0.9999
CMYK	0.12, 0.00, 1.00, 0.20
HSL	67°, 100%, 40%
HSV	67°, 100%, 80%
XYZ	40.1833, 52.7694, 8.0676
YIQ	173.2690, 50.5840, -68.7440

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 25
Decimal	11783168
CIELab	77.74, -28.78, 77.62
CIELCh	78, 82.780, 110.345
Yxy	52.7694, 0.3978, 0.5224
Android (android.graphics.Color)	4289973248 (0xFFB3CC00)
YUV	173.2690, -85.4216, 5.0261
Hunter-Lab	72.6425, -28.3845, 44.2651

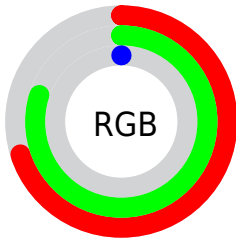
Details

The XYZ color **40.1833, 52.7694, 8.0676** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **11.3015, 4.5674, 57.4158**, and the grayscale version is **40.2652, 42.3621, 46.1323**.

A 20% lighter version of the original color is **72.9568, 90.5108, 22.0126**, and **18.7915, 25.8776, 4.0045** is the 20% darker color. If you saturate the color by 10%, you get **40.1837, 52.7714, 8.0680**, and if you desaturate by 10%, it is **40.8978, 53.1245, 8.7803**.

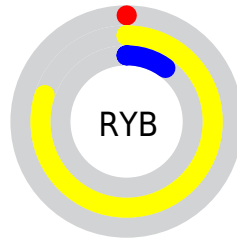
Distribution



Red (70%)

Green (80%)

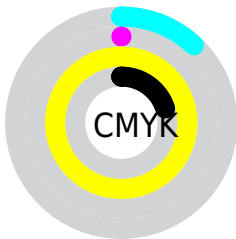
Blue (0%)



Red (0%)

Yellow (80%)

Blue (10%)

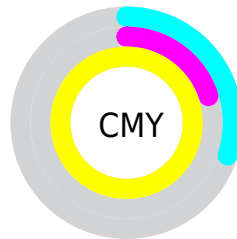


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (30%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1833, 52.7694, 8.0676 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 40.1833, 52.7694, 8.0676 by changing the saturation by 10% instead.

 40.1833, 52.7694,
8.0676


 40.1833, 52.7694,
8.0676


338.0167,
397.3998, 186.2156

 27.8663, 37.6187,
4.0498


 74.7251, 94.2650,
22.6392

 18.3649, 25.6869,
1.6527


 97.6807, 121.3786,
34.0302

 11.3135, 16.5896,
0.3280


 124.9132,
153.2487, 48.7159

 6.3470, 9.9423,
0.0000

 156.7879,
190.2597, 67.1150

 3.0998, 5.3607,
0.0000

 193.6703,
232.7959, 89.6460

 1.2068, 2.4604,
0.0000

 235.9257,

 0.1117, 0.8567,

281.2417, 116.7274

0.0000

283.9193,
335.9815, 148.7777

■ 0.0000, 0.0000,
0.0000

■ 40.1833, 52.7694,
8.0676

■ 40.1833, 52.7694,
8.0676

■ 40.1837, 52.7714,
8.0680

■ 40.8978, 53.1245,
8.7803

■ 41.7587, 53.5375,
10.2146

■ 42.8143, 54.0296,
12.6189

■ 44.0898, 54.6108,
16.1252

■ 45.6064, 55.2897,
20.8453

■ 47.3827, 56.0738,
26.8771

■ 49.4355, 56.9697,
34.3086

■ 51.7801, 57.9836,
43.2200

■ 54.4307, 59.1211,
53.6858

Harmonies

Analogous

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



55.5058, 52.7694, 6.9714



40.1833, 52.7694, 8.0676



29.9686, 52.7694, 17.5246

Triad

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



40.1833, 52.7694, 8.0676



32.9428, 52.7694, 155.7566



87.0979, 52.7694, 73.5728

Complementary

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



40.1833, 52.7694, 8.0676



11.3015, 4.5674, 57.4158

Split Complementary

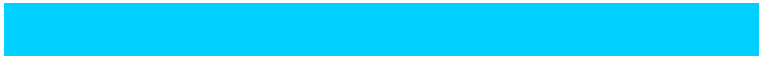
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8302, 52.7694, 134.2217



40.1833, 52.7694, 8.0676



45.1610, 52.7694, 195.8390

Square

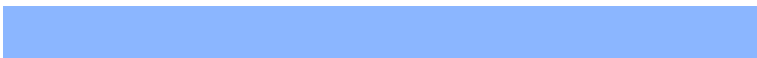
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.1833, 52.7694, 8.0676



26.4483, 52.7694, 93.9421



61.6550, 52.7694, 186.3549



84.9680, 52.7694, 31.9036

Rectangle

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



40.1833, 52.7694, 8.0676



26.3656, 52.7694, 32.5830



61.6550, 52.7694, 186.3549



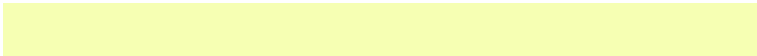
85.1485, 52.7694, 92.5631

Sweetspot

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



40.1845, 52.7718, 8.0687



81.7198, 94.2790, 56.2738



25.2263, 13.4840, 1.2738



17.1700, 20.0397, 10.8662



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.



40.1845, 52.7718, 8.0687



66.4201, 87.3259, 13.3549



24.7538, 44.8170, 7.3466



12.0132, 13.0242, 11.9602



25.3440, 33.2406, 5.0803



1.3464, 1.7349, 0.2639

Inverse Universe

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



11.3015, 4.5674, 57.4158



18.6229, 7.5154, 95.0768



19.4764, 8.7817, 57.7984



10.7274, 10.9088, 14.1106



7.1550, 2.8961, 36.1382



0.4126, 0.1718, 1.8664

Previews

White Background



This preview shows how the XYZ color 40.1833, 52.7694, 8.0676 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 40.1833, 52.7694, 8.0676 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 40.1833, 52.7694, 8.0676

Background



This preview shows how black text looks on a background with the XYZ color 40.1833, 52.7694, 8.0676.



This preview shows how white text looks on a background with the XYZ color 40.1833, 52.7694,

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

40.1833, 52.7694, 8.0676

Protanopia

47.1685, 52.2982, 7.6085

Deuteranopia

53.6493, 52.4545, 8.8872



Tritanopia

51.6810, 52.7040, 65.2066

Trichromacy



Original Color

40.1833, 52.7694, 8.0676

Protanomaly

44.3685, 52.1764, 7.7326

Deuteranomaly

47.7717, 51.9449, 8.2676

Tritanomaly

44.5306, 51.4607, 28.7050

Monochromacy



Original Color

40.1833, 52.7694, 8.0676

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

37.6342, 44.5207, 21.3617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1833, 52.7694, 8.0676 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(179, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.1833, 52.7694, 8.0676 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(179, 204, 0) }
```


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

```
.border{ border-color:rgb(179, 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(179, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(179, 204,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1833, 52.7694, 8.0676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 204, 0) }
```

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

```
.background{ background-color: rgb(179,  
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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