

Converting Colors

XYZ(22.3782, 39.8454, 6.5115)

Have a look what the booklet for
XYZ(22.3782, 39.8454, 6.5115)
contains.

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Color

**XYZ(22.3782, 39.8454,
6.5115)**

Conversions

Conversions Part 1

Format	Color
Hex	50C100
RGB	80, 193, 0
RGB Percent	31%, 76%, 0%
CMY	0.6863, 0.2431, 0.9999
CMYK	0.59, 0.00, 1.00, 0.24
HSL	95°, 100%, 38%
HSV	95°, 100%, 76%
XYZ	22.3782, 39.8454, 6.5115
YIQ	137.2110, -5.3950, -83.9790

Conversions

Conversions Part 2

Format	Color
RYB	0, 193, 113
Decimal	5292288
CIELab	69.36, -59.18, 68.96
CIELCh	69, 90.874, 130.637
Yxy	39.8454, 0.3256, 0.5797
Android (android.graphics.Color)	4283482368 (0xFF50C100)
YUV	137.2110, -67.6450, -50.1740
Hunter-Lab	63.1232, -47.1845, 38.0702

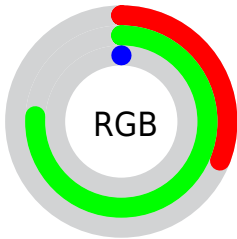
Details

The XYZ color **22.3782, 39.8454, 6.5115** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed green. A complement of this color would be **16.4397, 7.3634, 51.0091**, and the grayscale version is **24.1093, 25.3648, 27.6223**.

A 20% lighter version of the original color is **46.7522, 74.6865, 19.3490**, and **9.0885, 18.1770, 3.0295** is the 20% darker color. If you saturate the color by 10%, you get **22.3779, 39.8465, 6.5117**, and if you desaturate by 10%, it is **23.5352, 40.4292, 7.1938**.

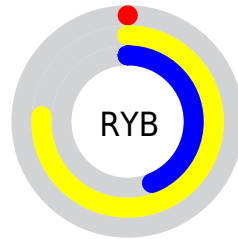
Distribution



Red (31%)

Green (76%)

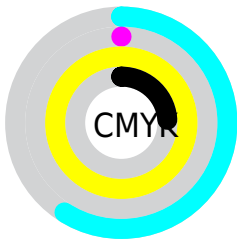
Blue (0%)



Red (0%)

Yellow (76%)

Blue (44%)

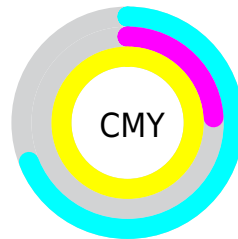


Cyan (59%)

Magenta (0%)

Yellow (100%)

Black (24%)



Cyan (69%)

Magenta (24%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3782, 39.8454, 6.5115 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 22.3782, 39.8454, 6.5115 by changing the saturation by 10% instead.

■ 22.3782, 39.8454,
6.5115

■ 22.3782, 39.8454,
6.5115

257.1104,
345.4715, 173.0145

■ 14.2532, 27.4180,
3.0848

■ 46.8445, 74.9280,
19.4794

■ 8.3799, 17.8874,
1.1381

■ 63.9165, 98.3521,
29.8576

■ 4.3928, 10.8692,
0.0000

■ 84.7016, 126.2105,
43.3900

■ 1.9267, 5.9789,
0.0000

■ 109.5651,
158.8876, 60.4952

■ 0.5923, 2.8323,
0.0000

■ 138.8724,
196.7679, 81.5917

■ 0.0000, 1.0448,
0.0000

■ 172.9888,

■ 0.0000, 0.0000,

240.2357, 107.0981

0.0000

212.2797,
289.6755, 137.4328

■ 22.3782, 39.8454,
6.5115

■ 22.3782, 39.8454,
6.5115

■ 22.3779, 39.8465,
6.5117

■ 23.5352, 40.4292,
7.1938

■ 24.9788, 41.1457,
8.5122

■ 26.7596, 42.0173,
10.6925

■ 28.9058, 43.0561,
13.8497

■ 31.4423, 44.2727,
18.0815

■ 34.3913, 45.6766,
23.4732

■ 37.7729, 47.2767,
30.1021

■ 41.6060, 49.0810,
38.0384

■ 45.9081, 51.0973,
47.3472

Harmonies

Analogous

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



32.9244, 39.8454, 2.6362



22.3782, 39.8454, 6.5115



17.0871, 39.8454, 21.8221

Triad

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



22.3782, 39.8454, 6.5115



29.3091, 39.8454, 171.9529



72.6880, 39.8454, 30.1764

Complementary

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



22.3782, 39.8454, 6.5115



16.4397, 7.3634, 51.0091

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.



70.9948, 39.8454, 75.8574



22.3782, 39.8454, 6.5115



43.2916, 39.8454, 180.0008

Square

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



22.3782, 39.8454, 6.5115



20.3190, 39.8454, 119.5952



59.2451, 39.8454, 137.4107



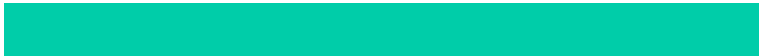
63.4071, 39.8454, 9.2711

Rectangle

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



22.3782, 39.8454, 6.5115



16.1713, 39.8454, 44.2850



59.2451, 39.8454, 137.4107



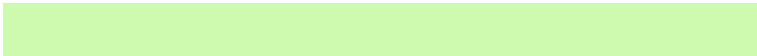
73.4326, 39.8454, 42.4970

Sweetspot

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



22.3791, 39.8471, 6.5124



67.3391, 84.5233, 53.2869



27.8534, 23.0580, 2.9832



13.8771, 17.8640, 10.2999



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.



22.3791, 39.8471, 6.5124



39.8132, 71.2262, 11.6497



19.1654, 38.1795, 6.8535



10.3310, 11.4581, 10.7290



14.9697, 26.5460, 4.3349



0.7251, 1.1873, 0.1910

Inverse Universe

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



16.4397, 7.3634, 51.0091



29.1532, 13.0375, 91.3402



29.9216, 14.5096, 42.7778



10.0807, 10.0328, 12.6900



11.0257, 4.9444, 33.9299



0.5533, 0.2533, 1.4696

Previews

White Background



This preview shows how the XYZ color 22.3782, 39.8454, 6.5115 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 22.3782, 39.8454, 6.5115 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 22.3782, 39.8454, 6.5115

Background



This preview shows how black text looks on a background with the XYZ color 22.3782, 39.8454, 6.5115.



This preview shows how white text looks on a background with the XYZ color 22.3782, 39.8454,

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

22.3782, 39.8454, 6.5115

Protanopia

35.4232, 39.3231, 5.7231

Deuteranopia

40.1052, 39.2919, 7.4778



Tritanopia

32.2881, 39.4502, 56.9518

Trichromacy



Original Color

22.3782, 39.8454, 6.5115

Protanomaly

28.4981, 38.3248, 5.8954

Deuteranomaly

30.2378, 37.4677, 6.5580

Tritanomaly

25.8612, 38.3637, 24.7808

Monochromacy



Original Color

22.3782, 39.8454, 6.5115

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

20.9797, 28.5151, 13.4150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3782, 39.8454, 6.5115 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(80, 193, 0)` looks like.

```
.text, #text, p{  
    color:rgb(80, 193, 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(80, 193, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 193, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.3782, 39.8454, 6.5115 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(80, 193, 0) }
```


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

```
.border{ border-color:rgb(80, 193, 0) }
```

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

Here you see how a box with a 4 pixel rgb(80, 193, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 193, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 193, 0);  
box-shadow:4px 4px 4px 4px rgb(80, 193, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.3782, 39.8454, 6.5115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 193, 0) }
```

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

```
.background{ background-color: rgb(80, 193,  
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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