

Converting Colors

XYZ(22.3991, 38.4655, 6.2440)

Have a look what the booklet for
XYZ(22.3991, 38.4655, 6.2440)
contains.

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Color

**XYZ(22.5120, 38.6193,
6.2678)**

Conversions

Conversions Part 1

Format	Color
Hex	5BBD00
RGB	91, 189, 0
RGB Percent	36%, 74%, 0%
CMY	0.6431, 0.2588, 0.9999
CMYK	0.52, 0.00, 1.00, 0.26
HSL	91°, 100%, 37%
HSV	91°, 100%, 74%
XYZ	22.5120, 38.6193, 6.2678
YIQ	138.1520, 2.2610, -79.5550

Conversions

Conversions Part 2

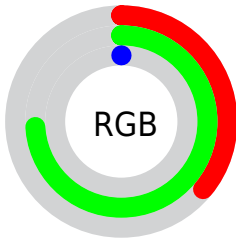
Format	Color
RYB	0, 189, 98
Decimal	6012160
CIELab	68.47, -54.76, 68.42
CIELCh	68, 87.635, 128.669
Yxy	38.6193, 0.3340, 0.5730
Android (android.graphics.Color)	4284202240 (0xFF5BBD00)
YUV	138.1520, -68.1089, -41.3523
Hunter-Lab	62.1444, -44.0906, 37.5212

Details

The XYZ color **22.5120, 38.6193, 6.2678** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **14.2256, 6.2728, 48.6072**, and the grayscale version is **24.4690, 25.7432, 28.0344**.

A 20% lighter version of the original color is **47.1295, 73.0554, 19.0142**, and **8.8451, 17.4213, 2.8965** is the 20% darker color. If you saturate the color by 10%, you get **22.5117, 38.6203, 6.2680**, and if you desaturate by 10%, it is **23.6599, 39.1988, 6.9317**.

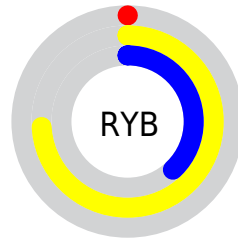
Distribution



Red (36%)

Green (74%)

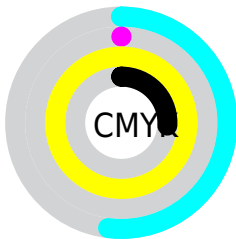
Blue (0%)



Red (0%)

Yellow (74%)

Blue (38%)

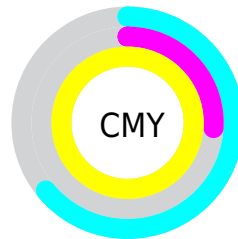


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (26%)



Cyan (64%)

Magenta (26%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5120, 38.6193, 6.2678 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 22.5120, 38.6193, 6.2678 by changing the saturation by 10% instead.

■ 22.5120, 38.6193,
6.2678

■ 22.5120, 38.6193,
6.2678

257.7909,
340.2692, 170.8262

■ 14.3523, 26.4637,
2.9372

■ 47.0634, 73.0564,
18.9714

■ 8.4494, 17.1709,
1.0626

■ 64.1857, 96.1066,
29.1815

■ 4.4381, 10.3564,
0.0000

■ 85.0264, 123.5572,
42.5219

■ 1.9528, 5.6359,
0.0000

■ 109.9506,
155.7926, 59.4110

■ 0.6073, 2.6250,
0.0000

■ 139.3238,
193.1971, 80.2675

■ 0.0000, 0.9392,
0.0000

■ 173.5114,

■ 0.0000, 0.0000,

236.1550, 105.5098

0.0000

212.8786,
285.0510, 135.5565

■ 22.5120, 38.6193,
6.2678

■ 22.5120, 38.6193,
6.2678

■ 22.5117, 38.6203,
6.2680

■ 23.6599, 39.1988,
6.9317

■ 25.0511, 39.8894,
8.1978

■ 26.7319, 40.7115,
10.2839

■ 28.7273, 41.6755,
13.2990

■ 31.0588, 42.7904,
17.3356

■ 33.7454, 44.0645,
22.4748

■ 36.8048, 45.5051,
28.7897

■ 40.2532, 47.1190,
36.3470

■ 44.1056, 48.9129,
45.2085

Harmonies

Analogous

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



32.8548, 38.6193, 2.7970



22.5120, 38.6193, 6.2678



17.1398, 38.6193, 20.0417

Triad

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



22.5120, 38.6193, 6.2678



27.8851, 38.6193, 159.7861



69.6356, 38.6193, 31.6152

Complementary

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



22.5120, 38.6193, 6.2678



14.2256, 6.2728, 48.6072

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.



67.3428, 38.6193, 76.1442



22.5120, 38.6193, 6.2678



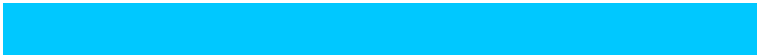
40.8480, 38.6193, 170.5704

Square

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



22.5120, 38.6193, 6.2678



19.6584, 38.6193, 109.5411



55.8816, 38.6193, 133.5143



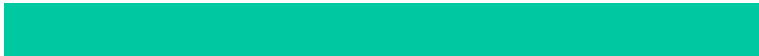
61.5317, 38.6193, 10.2191

Rectangle

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



22.5120, 38.6193, 6.2678



16.0742, 38.6193, 40.3114



55.8816, 38.6193, 133.5143



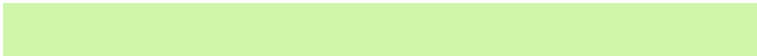
70.0896, 38.6193, 43.8376

Sweetspot

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



22.5129, 38.6210, 6.2687



65.6296, 81.3623, 50.9537



25.3234, 19.4916, 2.4282



13.6018, 17.2561, 9.8849



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.



22.5129, 38.6210, 6.2687



40.0428, 69.0249, 11.2127



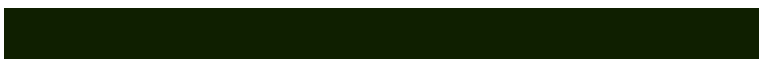
18.2160, 36.4038, 6.1576



9.8340, 10.8689, 10.1562



15.2333, 26.0289, 4.2212



0.6723, 1.0585, 0.1689

Inverse Universe

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



14.2256, 6.2728, 48.6072



25.1958, 11.0885, 87.0385



29.8348, 14.3587, 47.5720



9.4757, 9.4621, 11.9992



9.6588, 4.2654, 32.7071



0.4535, 0.2058, 1.2847

Previews

White Background



This preview shows how the XYZ color 22.5120, 38.6193, 6.2678 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 22.5120, 38.6193, 6.2678 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 22.5120, 38.6193, 6.2678

Background



This preview shows how black text looks on a background with the XYZ color 22.5120, 38.6193, 6.2678.



This preview shows how white text looks on a background with the XYZ color 22.5120, 38.6193,

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

22.5120, 38.6193, 6.2678

Protanopia

34.1297, 37.8372, 5.5045

Deuteranopia

38.7177, 37.8157, 7.1780



Tritanopia

32.1557, 38.5503, 54.4614

Trichromacy



Original Color

22.5120, 38.6193, 6.2678



Protanomaly

28.0849, 36.9475, 5.6513



Deuteranomaly

30.0893, 36.5531, 6.3893



Tritanomaly

26.1594, 37.6164, 23.9711

Monochromacy



Original Color

22.5120, 38.6193, 6.2678



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.7036, 28.8835, 13.6637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5120, 38.6193, 6.2678 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(91, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(91, 189, 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(91, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 189, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.5120, 38.6193, 6.2678 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(91, 189, 0) }
```


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

```
.border{ border-color:rgb(91, 189, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 189, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(91, 189, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.5120, 38.6193, 6.2678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 189, 0) }
```

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

```
.background{ background-color: rgb(91, 189,  
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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