

Converting Colors

XYZ(20.8006, 35.2686, 5.7112)

Have a look what the booklet for
XYZ(20.8006, 35.2686, 5.7112)
contains.

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Color

**XYZ(20.8383, 35.2719,
5.7099)**

Conversions

Conversions Part 1

Format	Color
Hex	5BB500
RGB	91, 181, 0
RGB Percent	36%, 71%, 0%
CMY	0.6431, 0.2902, 0.9999
CMYK	0.50, 0.00, 1.00, 0.29
HSL	90°, 100%, 35%
HSV	90°, 100%, 71%
XYZ	20.8383, 35.2719, 5.7099
YIQ	133.4560, 4.4610, -75.3710

Conversions

Conversions Part 2

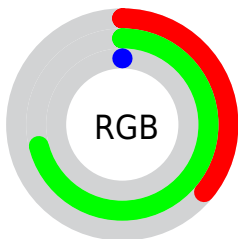
Format	Color
RYB	0, 181, 90
Decimal	6010112
CIELab	65.96, -51.78, 66.45
CIELCh	66, 84.243, 127.928
Yxy	35.2719, 0.3371, 0.5706
Android (android.graphics.Color)	4284200192 (0xFF5BB500)
YUV	133.4560, -65.7938, -37.2339
Hunter-Lab	59.3902, -41.3022, 35.8728

Details

The XYZ color **20.8383, 35.2719, 5.7099** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **12.5598, 5.5116, 44.1199**, and the grayscale version is **22.6944, 23.8762, 26.0012**.

A 20% lighter version of the original color is **44.4918, 68.1689, 17.8341**, and **7.8779, 15.3275, 2.5433** is the 20% darker color. If you saturate the color by 10%, you get **20.8381, 35.2729, 5.7101**, and if you desaturate by 10%, it is **21.8905, 35.8027, 6.3343**.

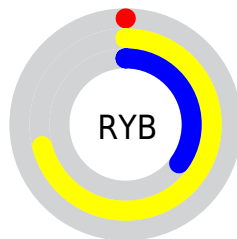
Distribution



Red (36%)

Green (71%)

Blue (0%)



Red (0%)

Yellow (71%)

Blue (35%)

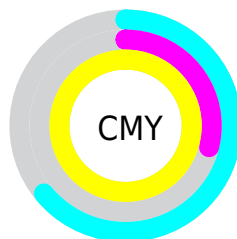


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (64%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8383, 35.2719, 5.7099 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 20.8383, 35.2719, 5.7099 by changing the saturation by 10% instead.


 20.8383, 35.2719,
5.7099


 20.8383, 35.2719,
5.7099


249.1659,
325.7669, 165.6686


 13.1176, 23.8724,
2.6036


 44.3116, 67.9068,
17.7929


 7.5872, 15.2390,
0.8943


 60.7949, 89.9109,
27.6066


 3.8815, 8.9873,
0.0000


 80.9298, 116.2188,
40.4932

 1.6353, 4.7329,
0.0000

 105.0817,
147.2147, 56.8713

 0.4153, 2.0914,
0.0000

 133.6159,
183.2830, 77.1593

 0.0000, 0.6598,
0.0000

 166.8978,

 0.0000, 0.0000,

224.8083, 101.7758

0.0000

205.2926,
272.1747, 131.1394

■ 20.8383, 35.2719,
5.7099

■ 20.8383, 35.2719,
5.7099

■ 20.8381, 35.2729,
5.7101

■ 21.8905, 35.8027,
6.3343

■ 23.1534, 36.4293,
7.4980

■ 24.6698, 37.1704,
9.4040

■ 26.4613, 38.0351,
12.1500

■ 28.5468, 39.0311,
15.8188

■ 30.9431, 40.1657,
20.4833

■ 33.6655, 41.4452,
26.2092

■ 36.7282, 42.8757,
33.0564

■ 40.1444, 44.4628,
41.0804

Harmonies

Analogous

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



30.3245, 35.2719, 2.6380



20.8383, 35.2719, 5.7099



15.8490, 35.2719, 17.9449

Triad

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



20.8383, 35.2719, 5.7099



25.2961, 35.2719, 143.6993



63.3310, 35.2719, 29.6890

Complementary

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



20.8383, 35.2719, 5.7099



12.5598, 5.5116, 44.1199

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.



61.0238, 35.2719, 70.4294



20.8383, 35.2719, 5.7099



36.9428, 35.2719, 154.5098

Square

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



20.8383, 35.2719, 5.7099



17.9425, 35.2719, 97.9851



50.5330, 35.2719, 122.0542



56.2240, 35.2719, 9.7668

Rectangle

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



20.8383, 35.2719, 5.7099



14.8152, 35.2719, 35.9748



50.5330, 35.2719, 122.0542



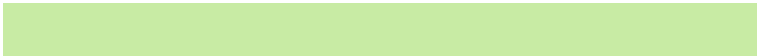
63.6578, 35.2719, 40.9425

Sweetspot

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



20.8391, 35.2734, 5.7107



60.0274, 74.1005, 46.3653



22.5054, 16.7211, 2.0419



12.5243, 15.8047, 9.0600



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.8391, 35.2734, 5.7107



37.0561, 63.0348, 10.2139



16.5627, 33.0689, 5.5105



8.7825, 9.6929, 9.0606



14.4448, 24.3566, 3.9400



0.5217, 0.8010, 0.1271

Inverse Universe

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



12.5598, 5.5116, 44.1199



22.2291, 9.7339, 79.0018



26.6982, 12.8002, 44.7816



8.4311, 8.4307, 10.6893



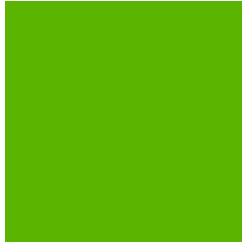
8.7372, 3.8400, 30.4177



0.3422, 0.1555, 0.9602

Previews

White Background



This preview shows how the XYZ color 20.8383, 35.2719, 5.7099 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 20.8383, 35.2719, 5.7099 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 20.8383, 35.2719, 5.7099

Background



This preview shows how black text looks on a background with the XYZ color 20.8383, 35.2719, 5.7099.



This preview shows how white text looks on a background with the XYZ color 20.8383, 35.2719,

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

20.8383, 35.2719, 5.7099

Protanopia

31.3932, 34.8449, 5.0711

Deuteranopia

35.4879, 34.6843, 6.5746



Tritanopia

29.5164, 35.0275, 49.4613

Trichromacy



Original Color

20.8383, 35.2719, 5.7099

Protanomaly

26.2154, 34.3012, 5.2391

Deuteranomaly

27.7831, 33.4837, 5.8628

Tritanomaly

24.0398, 34.2123, 21.8596

Monochromacy



Original Color

20.8383, 35.2719, 5.7099

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

20.0173, 26.3201, 12.6196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8383, 35.2719, 5.7099 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, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(91, 181, 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, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 181, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.8383, 35.2719, 5.7099 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, 181, 0) }
```


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

```
.border{ border-color:rgb(91, 181, 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, 181, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 181, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 181, 0);  
box-shadow:4px 4px 4px 4px rgb(91, 181, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.8383, 35.2719, 5.7099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 181, 0) }
```

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

```
.background{ background-color: rgb(91, 181,  
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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