

Converting Colors

XYZ(20.6676, 40.0765, 6.6470)

Have a look what the booklet for
XYZ(20.6676, 40.0765, 6.6470)
contains.

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Color

**XYZ(20.5766, 39.9112,
6.6191)**

Conversions

Conversions Part 1

Format	Color
Hex	27C400
RGB	39, 196, 0
RGB Percent	15%, 77%, 0%
CMY	0.8471, 0.2314, 0.9999
CMYK	0.80, 0.00, 1.00, 0.23
HSL	108°, 100%, 38%
HSV	108°, 100%, 77%
XYZ	20.5766, 39.9112, 6.6191
YIQ	126.7130, -30.6560, -94.2400

Conversions

Conversions Part 2

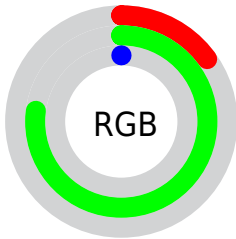
Format	Color
RYB	0, 196, 157
Decimal	2606080
CIELab	69.41, -67.90, 68.61
CIELCh	69, 96.533, 134.703
Yxy	39.9112, 0.3066, 0.5947
Android (android.graphics.Color)	4280796160 (0xFF27C400)
YUV	126.7130, -62.4695, -76.9243
Hunter-Lab	63.1753, -52.4182, 38.0107

Details

The XYZ color **20.5766, 39.9112, 6.6191** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **23.8740, 11.1568, 53.1219**, and the grayscale version is **20.2909, 21.3476, 23.2475**.

A 20% lighter version of the original color is **43.9600, 75.1076, 19.7697**, and **9.5249, 19.0498, 3.1750** is the 20% darker color. If you saturate the color by 10%, you get **20.5768, 39.9125, 6.6194**, and if you desaturate by 10%, it is **21.4229, 40.3345, 7.3005**.

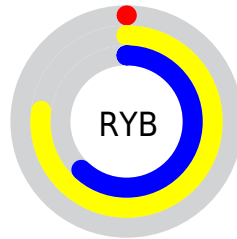
Distribution



Red (15%)

Green (77%)

Blue (0%)



Red (0%)

Yellow (77%)

Blue (62%)

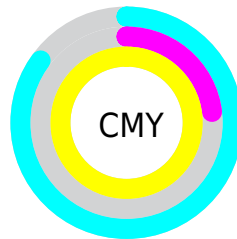


Cyan (80%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (85%)


Magenta (23%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.5766, 39.9112, 6.6191 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 20.5766, 39.9112, 6.6191 by changing the saturation by 10% instead.


 20.5766, 39.9112,
6.6191


 20.5766, 39.9112,
6.6191


247.7942,
345.7492, 173.9691


 12.9256, 27.4693,
3.1502

 43.8784, 75.0283,
19.7024


 7.4539, 17.9260,
1.1719


 60.2599, 98.4723,
30.1539


 3.7964, 10.8969,
0.0000


 80.2822, 126.3524,
43.7700

 1.5876, 5.9975,
0.0000

 104.3108,
159.0531, 60.9694

 0.3843, 2.8436,
0.0000

 132.7109,
196.9587, 82.1704

 0.0000, 1.0506,
0.0000

 165.8480,

 0.0000, 0.0000,

240.4536, 107.7917

0.0000

204.0873,
289.9223, 138.2517

■ 20.5766, 39.9112,
6.6191

■ 20.5766, 39.9112,
6.6191

■ 20.5768, 39.9125,
6.6194

■ 21.4229, 40.3345,
7.3005

■ 22.6656, 40.9466,
8.6476

■ 24.3730, 41.7789,
10.8930

■ 26.5888, 42.8512,
14.1570

■ 29.3512, 44.1811,
18.5416

■ 32.6947, 45.7843,
24.1363

■ 36.6508, 47.6755,
31.0215

■ 41.2487, 49.8680,
39.2707

■ 46.5157, 52.3744,
48.9521

Harmonies

Analogous

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



30.8532, 39.9112, 2.1289



20.5766, 39.9112, 6.6191



15.8164, 39.9112, 24.5835

Triad

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



20.5766, 39.9112, 6.6191



30.5934, 39.9112, 189.0097



74.7395, 39.9112, 25.1739

Complementary

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



20.5766, 39.9112, 6.6191



23.8740, 11.1568, 53.1219

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.



74.6137, 39.9112, 70.1290



20.5766, 39.9112, 6.6191



46.0238, 39.9112, 189.6217

Square

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



20.5766, 39.9112, 6.6191



20.4314, 39.9112, 135.5604



63.0364, 39.9112, 136.9030



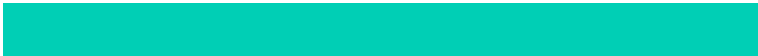
63.3439, 39.9112, 6.7995

Rectangle

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



20.5766, 39.9112, 6.6191



15.2884, 39.9112, 50.8471



63.0364, 39.9112, 136.9030



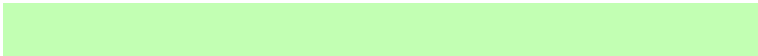
76.1258, 39.9112, 36.8192

Sweetspot

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



20.5775, 39.9129, 6.6200



66.0212, 86.1861, 55.5391



34.7904, 35.7850, 5.0741



13.4496, 18.1217, 10.6920



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.



20.5775, 39.9129, 6.6200



37.1110, 72.2165, 11.9832



20.5256, 39.7955, 10.7121



10.1274, 11.3531, 10.7195



13.2779, 25.6739, 4.2557



0.6306, 1.1386, 0.1865

Inverse Universe

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



23.8740, 11.1568, 53.1219



43.0298, 20.0975, 96.2190



27.2965, 13.5488, 24.9220



10.2947, 10.1431, 12.7001



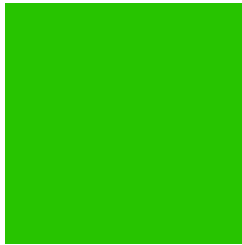
15.4098, 7.2045, 34.1350



0.7170, 0.3377, 1.4773

Previews

White Background



This preview shows how the XYZ color 20.5766, 39.9112, 6.6191 looks on a white background.

Color Contrast Check

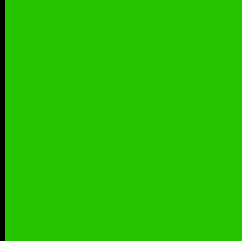
Large Text (above 18pt) WCAG AA × Fail

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 20.5766, 39.9112, 6.6191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

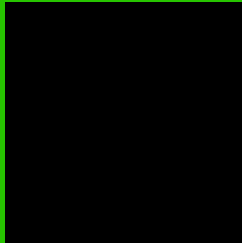
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5766, 39.9112, 6.6191

Background



This preview shows how black text looks on a background with the XYZ color 20.5766, 39.9112, 6.6191.



This preview shows how white text looks on a background with the XYZ color 20.5766, 39.9112,

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

20.5766, 39.9112, 6.6191

Protanopia

35.2378, 38.9524, 5.6613

Deuteranopia

39.6800, 38.8123, 7.5907



Tritanopia

30.9258, 39.6110, 58.8390

Trichromacy



Original Color

20.5766, 39.9112, 6.6191



Protanomaly

25.9121, 36.9917, 5.7744



Deuteranomaly

27.1631, 35.8801, 6.5308



Tritanomaly

24.0705, 38.3609, 25.5378

Monochromacy



Original Color

20.5766, 39.9112, 6.6191



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

17.4328, 25.4834, 11.7846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5766, 39.9112, 6.6191 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(39, 196, 0)` looks like.

```
.text, #text, p{  
    color:rgb(39, 196, 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(39, 196, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 196, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.5766, 39.9112, 6.6191 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(39, 196, 0) }
```


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

```
.border{ border-color:rgb(39, 196, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 196, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 196, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 196, 0);  
box-shadow:4px 4px 4px 4px rgb(39, 196, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.5766, 39.9112, 6.6191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 196, 0) }
```

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

```
.background{ background-color: rgb(39, 196,  
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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