

Converting Colors

XYZ(19.8592, 39.6587, 6.6082)

Have a look what the booklet for
XYZ(19.8592, 39.6587, 6.6082)
contains.

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Color

**XYZ(19.7775, 39.4992,
6.5817)**

Conversions

Conversions Part 1

Format	Color
Hex	03C400
RGB	3, 196, 0
RGB Percent	1%, 77%, 0%
CMY	0.9882, 0.2314, 0.9999
CMYK	0.98, 0.00, 1.00, 0.23
HSL	119°, 100%, 38%
HSV	119°, 100%, 77%
XYZ	19.7775, 39.4992, 6.5817
YIQ	115.9490, -52.1120, -101.8720

Conversions

Conversions Part 2

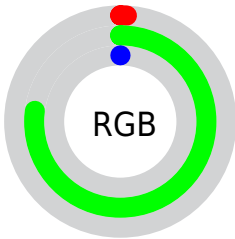
Format	Color
RYB	0, 196, 193
Decimal	246784
CIELab	69.11, -70.57, 68.25
CIELCh	69, 98.177, 135.957
Yxy	39.4992, 0.3003, 0.5998
Android (android.graphics.Color)	4278436864 (0xFF03C400)
YUV	115.9490, -57.1629, -99.0563
Hunter-Lab	62.8484, -53.8133, 37.7848

Details

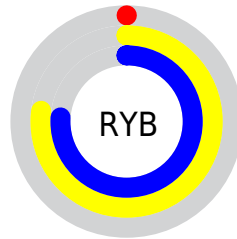
The XYZ color **19.7775, 39.4992, 6.5817** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **31.9620, 15.3263, 53.5003**, and the grayscale version is **16.7678, 17.6410, 19.2111**.

A 20% lighter version of the original color is **42.5987, 74.4059, 19.7060**, and **9.3781, 18.7562, 3.1260** is the 20% darker color. If you saturate the color by 10%, you get **19.7780, 39.5007, 6.5820**, and if you desaturate by 10%, it is **20.2013, 39.7046, 7.2433**.

Distribution



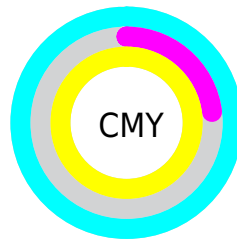
- Red (1%)
- Green (77%)
- Blue (0%)



- Red (0%)
- Yellow (77%)
- Blue (76%)



- Cyan (98%)
- Magenta (0%)
- Yellow (100%)
- Black (23%)





- Cyan (99%)
- Magenta (23%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.7775, 39.4992, 6.5817 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 19.7775, 39.4992, 6.5817 by changing the saturation by 10% instead.


 19.7775, 39.4992,
6.5817

 19.7775, 39.4992,
6.5817


243.5646,
344.0082, 173.6381


 12.3407, 27.1483,
3.1275


 42.5506, 74.4003,
19.6250


 7.0500, 17.6846,
1.1601


 58.6177, 97.7193,
30.0510

 3.5400, 10.7238,
0.0000


 78.2922, 125.4631,
43.6382

 1.4453, 5.8814,
0.0000

 101.9396,
158.0161, 60.8049

 0.2882, 2.7731,
0.0000

 129.9252,
195.7628, 81.9697

 0.0000, 1.0145,
0.0000

 162.6143,

 0.0000, 0.0000,

239.0874, 107.5511

0.0000

200.3723,
288.3744, 137.9677

■ 19.7775, 39.4992,
6.5817

■ 19.7775, 39.4992,
6.5817

■ 19.7780, 39.5007,
6.5820

■ 20.2013, 39.7046,
7.2433

■ 21.0495, 40.1134,
8.5720

■ 22.4444, 40.7846,
10.8027

■ 24.4572, 41.7522,
14.0573

■ 27.1483, 43.0453,
18.4385

■ 30.5708, 44.6894,
24.0369

■ 34.7728, 46.7073,
30.9336

■ 39.7981, 49.1201,
39.2028

■ 45.6873, 51.9473,
48.9133

Harmonies

Analogous

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



29.8513, 39.4992, 1.9526



19.7775, 39.4992, 6.5817



15.2370, 39.4992, 25.2784

Triad

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



19.7775, 39.4992, 6.5817



30.6937, 39.4992, 192.8596



74.6183, 39.4992, 23.3741

Complementary

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



19.7775, 39.4992, 6.5817



31.9620, 15.3263, 53.5003

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.



75.0310, 39.4992, 67.5382



19.7775, 39.4992, 6.5817



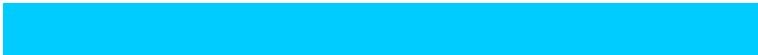
46.4536, 39.4992, 190.8374

Square

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



19.7775, 39.4992, 6.5817



20.2455, 39.4992, 139.6811



63.6436, 39.4992, 135.2572



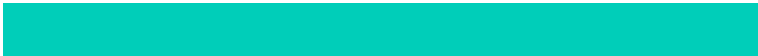
62.6368, 39.4992, 6.0154

Rectangle

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



19.7775, 39.4992, 6.5817



14.8360, 39.4992, 52.6029



63.6436, 39.4992, 135.2572



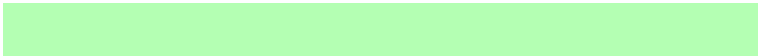
76.2081, 39.4992, 34.6570

Sweetspot

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



19.7784, 39.5008, 6.5826



62.5905, 84.4175, 55.3785



41.7779, 49.7601, 7.4033



12.6676, 17.7186, 10.6554



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.



19.7784, 39.5008, 6.5826



35.8086, 71.5450, 11.9223



21.7950, 40.3032, 17.3965



9.9583, 11.2660, 10.7116



12.7144, 25.3834, 4.2294



0.5543, 1.0993, 0.1830

Inverse Universe

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



31.9620, 15.3263, 53.5003



57.8766, 27.7514, 96.9139



25.1287, 12.6817, 13.5070



10.4817, 10.2395, 12.7088



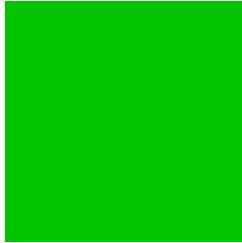
20.5431, 9.8508, 34.3753



0.8925, 0.4282, 1.4855

Previews

White Background



This preview shows how the XYZ color 19.7775, 39.4992, 6.5817 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 19.7775, 39.4992, 6.5817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

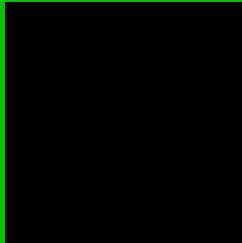
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.7775, 39.4992, 6.5817

Background



This preview shows how black text looks on a background with the XYZ color 19.7775, 39.4992, 6.5817.



This preview shows how white text looks on a background with the XYZ color 19.7775, 39.4992,

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

19.7775, 39.4992, 6.5817

Protanopia

34.9889, 38.8241, 5.6497

Deuteranopia

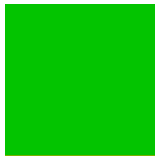
39.4125, 38.6723, 7.6727



Tritanopia

30.2857, 39.2810, 58.8091

Trichromacy



Original Color

19.7775, 39.4992, 6.5817



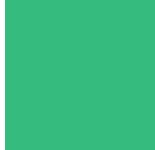
Protanomaly

23.8056, 35.9057, 5.6758



Deuteranomaly

24.9420, 34.7351, 6.4269



Tritanomaly

22.9402, 37.7782, 25.4849

Monochromacy



Original Color

19.7775, 39.4992, 6.5817



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

14.2631, 22.2411, 10.0198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7775, 39.4992, 6.5817 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(3, 196, 0)` looks like.

```
.text, #text, p{  
    color:rgb(3, 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(3, 196, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 196, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.7775, 39.4992, 6.5817 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(3, 196, 0) }
```


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

```
.border{ border-color:rgb(3, 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(3, 196, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 196, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 196, 0); box-shadow:4px  
4px 4px 4px rgb(3, 196, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7775, 39.4992, 6.5817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 196, 0) }
```

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

```
.background{ background-color: rgb(3, 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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