

Converting Colors

XYZ(15.9520, 37.3768, 4.1775)

Have a look what the booklet for
XYZ(15.9520, 37.3768, 4.1775)
contains.

XYZ(19.5151, 39.0302, 6.5050)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.5151, 39.0302,
6.5050)**

Conversions

Conversions Part 1

Format	Color
Hex	00C300
RGB	0, 195, 0
RGB Percent	0%, 76%, 0%
CMY	1.0000, 0.2353, 0.9999
CMYK	1.00, 0.00, 1.00, 0.24
HSL	120°, 100%, 38%
HSV	120°, 100%, 76%
XYZ	19.5151, 39.0302, 6.5050
YIQ	114.4650, -53.6250, -101.9850

Conversions

Conversions Part 2

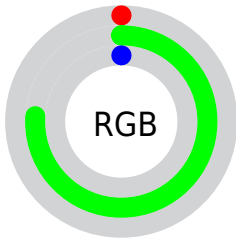
Format	Color
RYB	0, 195, 195
Decimal	49920
CIELab	68.77, -70.43, 67.98
CIELCh	69, 97.882, 136.016
Yxy	39.0302, 0.3000, 0.6000
Android (android.graphics.Color)	4278240000 (0xFF00C300)
YUV	114.4650, -56.4312, -100.3858
Hunter-Lab	62.4742, -53.5716, 37.5585

Details

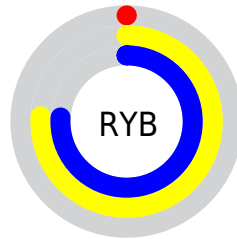
The XYZ color **19.5151, 39.0302, 6.5050** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **32.3551, 15.5420, 52.9147**, and the grayscale version is **16.3120, 17.1615, 18.6888**.

A 20% lighter version of the original color is **42.1301, 73.6986, 19.4019**, and **9.2326, 18.4652, 3.0775** is the 20% darker color. If you saturate the color by 10%, you get **19.5160, 39.0318, 6.5059**, and if you desaturate by 10%, it is **19.9163, 39.2241, 7.1609**.

Distribution



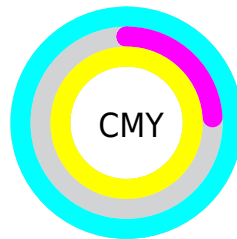
- Red (0%)
- Green (76%)
- Blue (0%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (100%)
- Black (24%)





- Cyan (100%)
- Magenta (24%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5151, 39.0302, 6.5050 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 19.5151, 39.0302, 6.5050 by changing the saturation by 10% instead.


 19.5151, 39.0302,
6.5050


 19.5151, 39.0302,
6.5050


242.1617,
342.0189, 172.9566


 12.1493, 26.7832,
3.0808


 42.1129, 73.6845,
19.4659


 6.9183, 17.4105,
1.1360


 58.0755, 96.8605,
29.8396

 3.4570, 10.5276,
0.0000


 77.6345, 124.4484,
43.3670

 1.3998, 5.7501,
0.0000

 101.1552,
156.8325, 60.4665

 0.2561, 2.6938,
0.0000

 129.0029,
194.3972, 81.5566

 0.0000, 0.9740,
0.0000

 161.5430,

 0.0000, 0.0000,

237.5269, 107.0560

0.0000

199.1408,
286.6060, 137.3832

■ 19.5151, 39.0302,
6.5050

■ 19.5151, 39.0302,
6.5050

■ 19.5160, 39.0318,
6.5059

■ 19.9163, 39.2241,
7.1609

■ 20.7191, 39.6097,
8.4744

■ 22.0670, 40.2572,
10.6794

■ 24.0336, 41.2018,
13.8964

■ 26.6810, 42.4735,
18.2268

■ 30.0639, 44.0985,
23.7602

■ 34.2313, 46.1003,
30.5767

■ 39.2282, 48.5006,
38.7497

■ 45.0960, 51.3192,
48.3471

Harmonies

Analogous

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



29.4647, 39.0302, 1.9223



19.5151, 39.0302, 6.5050



15.0365, 39.0302, 25.0238

Triad

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



19.5151, 39.0302, 6.5050



30.3491, 39.0302, 190.8481



73.7634, 39.0302, 23.0251

Complementary

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



19.5151, 39.0302, 6.5050



32.3551, 15.5420, 52.9147

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.



74.1968, 39.0302, 66.6486



19.5151, 39.0302, 6.5050



45.9452, 39.0302, 188.7231

Square

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



19.5151, 39.0302, 6.5050



20.0063, 39.0302, 138.2883



62.9481, 39.0302, 133.6403



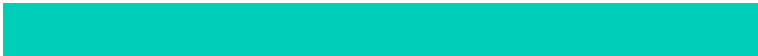
61.8906, 39.0302, 5.9114

Rectangle

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



19.5151, 39.0302, 6.5050



14.6459, 39.0302, 52.0882



62.9481, 39.0302, 133.6403



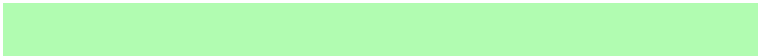
75.3447, 39.0302, 34.1624

Sweetspot

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



19.5160, 39.0318, 6.5059



60.9267, 82.3807, 54.1401



42.0225, 50.6343, 7.5586



12.6071, 17.6874, 10.6535



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.



19.5160, 39.0318, 6.5059



34.9520, 69.9038, 11.6514



21.6971, 39.9042, 17.9911



9.9445, 11.2589, 10.7111



12.6839, 25.3676, 4.2284



0.5480, 1.0961, 0.1828

Inverse Universe

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



32.3551, 15.5420, 52.9147



57.9461, 27.8348, 94.7671



24.6877, 12.4750, 12.5391



10.4973, 10.2475, 12.7093



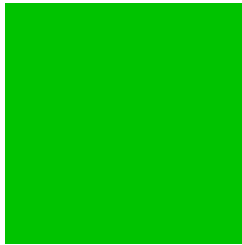
21.0283, 10.1011, 34.3905



0.9086, 0.4364, 1.4860

Previews

White Background



This preview shows how the XYZ color 19.5151, 39.0302, 6.5050 looks on a white background.

Color Contrast Check

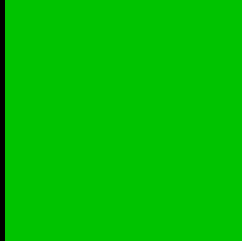
Large Text (above 18pt) WCAG AA × Fail

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 19.5151, 39.0302, 6.5050 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 19.5151, 39.0302, 6.5050

Background



This preview shows how black text looks on a background with the XYZ color 19.5151, 39.0302, 6.5050.



This preview shows how white text looks on a background with the XYZ color 19.5151, 39.0302,

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

19.5151, 39.0302, 6.5050

Protanopia

34.5578, 38.3288, 5.5768

Deuteranopia

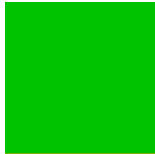
38.9393, 38.1762, 7.5069



Tritanopia

29.9674, 38.8271, 58.1395

Trichromacy



Original Color

19.5151, 39.0302, 6.5050



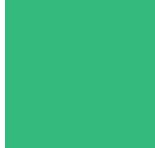
Protanomaly

23.4679, 35.4374, 5.6032



Deuteranomaly

24.4336, 34.1915, 6.3487



Tritanomaly

22.6768, 37.3285, 25.4120

Monochromacy



Original Color

19.5151, 39.0302, 6.5050



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

13.7727, 21.5424, 9.7355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5151, 39.0302, 6.5050 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(0, 195, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 195, 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(0, 195, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 195, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.5151, 39.0302, 6.5050 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(0, 195, 0) }
```


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

```
.border{ border-color:rgb(0, 195, 0) }
```

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

Here you see how a box with a 4 pixel rgb(0, 195, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 195, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 195, 0); box-shadow:4px  
4px 4px 4px rgb(0, 195, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5151, 39.0302, 6.5050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 195, 0) }
```

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

```
.background{ background-color: rgb(0, 195,  
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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