

Converting Colors

XYZ(17.4452, 37.3684, 4.4649)

Have a look what the booklet for
XYZ(17.4452, 37.3684, 4.4649)
contains.

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Color

**XYZ(19.0700, 38.1399,
6.3567)**

Conversions

Conversions Part 1

Format	Color
Hex	00C100
RGB	0, 193, 0
RGB Percent	0%, 76%, 0%
CMY	1.0000, 0.2431, 0.9999
CMYK	1.00, 0.00, 1.00, 0.24
HSL	120°, 100%, 38%
HSV	120°, 100%, 76%
XYZ	19.0700, 38.1399, 6.3567
YIQ	113.2910, -53.0750, -100.9390

Conversions

Conversions Part 2

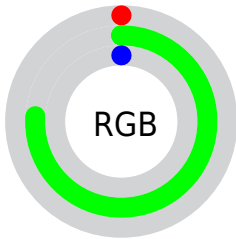
Format	Color
RYB	0, 193, 193
Decimal	49408
CIELab	68.12, -69.89, 67.45
CIELCh	68, 97.132, 136.016
Yxy	38.1399, 0.3000, 0.6000
Android (android.graphics.Color)	4278239488 (0xFF00C100)
YUV	113.2910, -55.8525, -99.3562
Hunter-Lab	61.7575, -52.9569, 37.1275

Details

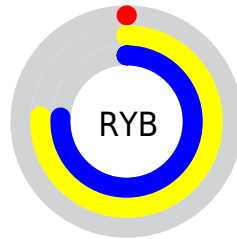
The XYZ color **19.0700, 38.1399, 6.3567** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **31.6172, 15.1876, 51.7084**, and the grayscale version is **15.9568, 16.7878, 18.2819**.

A 20% lighter version of the original color is **41.3880, 72.3837, 19.1872**, and **9.0885, 18.1770, 3.0295** is the 20% darker color. If you saturate the color by 10%, you get **19.0708, 38.1414, 6.3574**, and if you desaturate by 10%, it is **19.4656, 38.3311, 7.0033**.

Distribution



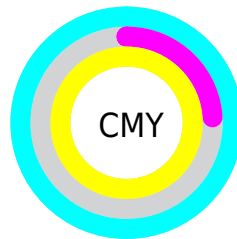
- Red (0%)
- Green (76%)
- Blue (0%)



- 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 19.0700, 38.1399, 6.3567 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 19.0700, 38.1399, 6.3567 by changing the saturation by 10% instead.


 19.0700, 38.1399,
6.3567


 19.0700, 38.1399,
6.3567


239.7656,
338.2197, 171.6288


 11.8252, 26.0913,
2.9909


 41.3683, 72.3225,
19.1572


 6.6961, 16.8919,
1.0900


 57.1525, 95.2253,
29.4289

 3.3174, 10.1575,
0.0000


 76.5139, 122.5150,
42.8398

 1.3238, 5.5035,
0.0000

 99.8177, 154.5758,
59.8082

 0.2009, 2.5456,
0.0000

 127.4295,
191.7924, 80.7528

 0.0000, 0.8994,
0.0000

 159.7145,

 0.0000, 0.0000,

234.5489, 106.0920

0.0000

197.0381,
283.2299, 136.2445

■ 19.0700, 38.1399,
6.3567

■ 19.0700, 38.1399,
6.3567

■ 19.0708, 38.1414,
6.3574

■ 19.4656, 38.3311,
7.0033

■ 20.2525, 38.7090,
8.2908

■ 21.5718, 39.3428,
10.4491

■ 23.4951, 40.2667,
13.5953

■ 26.0831, 41.5098,
17.8286

■ 29.3890, 43.0978,
23.2360

■ 33.4607, 45.0536,
29.8958

■ 38.3418, 47.3983,
37.8795

■ 44.0728, 50.1512,
47.2533

Harmonies

Analogous

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



28.7926, 38.1399, 1.8785



19.0700, 38.1399, 6.3567



14.6935, 38.1399, 24.4531

Triad

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



19.0700, 38.1399, 6.3567



29.6569, 38.1399, 186.4939



72.0806, 38.1399, 22.4999

Complementary

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



19.0700, 38.1399, 6.3567



31.6172, 15.1876, 51.7084

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.



72.5042, 38.1399, 65.1281



19.0700, 38.1399, 6.3567



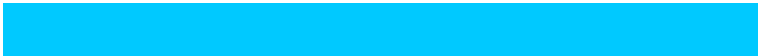
44.8972, 38.1399, 184.4173

Square

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



19.0700, 38.1399, 6.3567



19.5500, 38.1399, 135.1334



61.5121, 38.1399, 130.5913



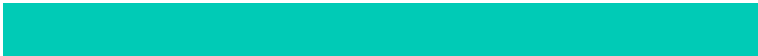
60.4787, 38.1399, 5.7767

Rectangle

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



19.0700, 38.1399, 6.3567



14.3119, 38.1399, 50.9000



61.5121, 38.1399, 130.5913



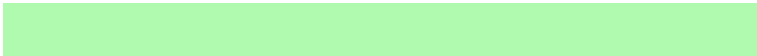
73.6258, 38.1399, 33.3831

Sweetspot

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



19.0709, 38.1415, 6.3576



59.5497, 80.5076, 52.9260



41.0639, 49.4793, 7.3863



12.0798, 16.9374, 10.2166



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



19.0709, 38.1415, 6.3576



34.1547, 68.3091, 11.3855



21.2054, 38.9953, 17.5976



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.



31.6172, 15.1876, 51.7084



56.6244, 27.1999, 92.6065



24.1278, 12.1918, 12.2699



10.4973, 10.2475, 12.7093



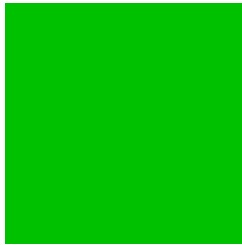
21.0284, 10.1011, 34.3910



0.9086, 0.4364, 1.4860

Previews

White Background



This preview shows how the XYZ color 19.0700, 38.1399, 6.3567 looks on a white background.

Color Contrast Check

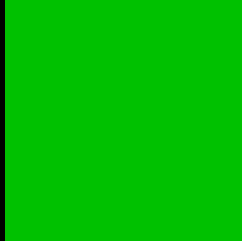
Large Text (above 18pt) WCAG AA × Fail

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 19.0700, 38.1399, 6.3567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

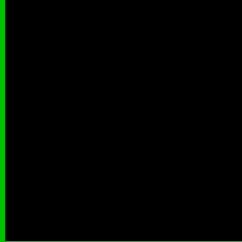
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.0700, 38.1399, 6.3567

Background



This preview shows how black text looks on a background with the XYZ color 19.0700, 38.1399, 6.3567.

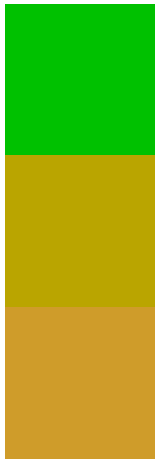


This preview shows how white text looks on a background with the XYZ color 19.0700, 38.1399,

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

19.0700, 38.1399, 6.3567

Protanopia

33.7048, 37.3494, 5.4327

Deuteranopia

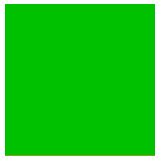
38.0385, 37.2095, 7.3678



Tritanopia

29.2510, 37.8846, 56.8097

Trichromacy



Original Color

19.0700, 38.1399, 6.3567



Protanomaly

22.8012, 34.5115, 5.4596



Deuteranomaly

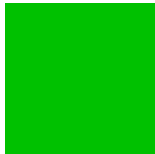
23.9015, 33.3606, 6.2164



Tritanomaly

22.1318, 36.4411, 24.6063

Monochromacy



Original Color

19.0700, 38.1399, 6.3567



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

13.5152, 21.1916, 9.5090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0700, 38.1399, 6.3567 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, 193, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 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, 193, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.0700, 38.1399, 6.3567 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, 193, 0) }
```


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

```
.border{ border-color:rgb(0, 193, 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, 193, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 193, 0); box-shadow:4px  
4px 4px 4px rgb(0, 193, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0700, 38.1399, 6.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 0) }
```

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

```
.background{ background-color: rgb(0, 193,  
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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