

Converting Colors

XYZ(12.7784, 34.2968, 10.9063)

Have a look what the booklet for
XYZ(12.7784, 34.2968, 10.9063)
contains.

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Color

**XYZ(19.8038, 38.0809,
11.3076)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00C041 |
| RGB | 0, 192, 65 |
| RGB Percent | 0%, 75%, 25% |
| CMY | 1.0000, 0.2470, 0.7451 |
| CMYK | 1.00, 0.00, 0.66, 0.25 |
| HSL | 140°, 100%, 38% |
| HSV | 140°, 100%, 75% |
| XYZ | 19.8038, 38.0809, 11.3076 |
| YIQ | 120.1140, -73.6650, -80.2010 |

Conversions

Conversions Part 2

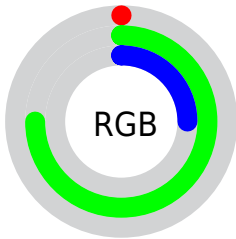
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 0, 143, 192 |
| Decimal | 49217 |
| CIELab | 68.08, -66.00, 50.96 |
| CIELCh | 68, 83.379, 142.327 |
| Yxy | 38.0809, 0.2862, 0.5504 |
| Android (android.graphics.Color) | 4278239297 (0xFF00C041) |
| YUV | 120.1140, -27.1712, -105.3400 |
| Hunter-Lab | 61.7097, -50.7080, 32.3326 |

Details

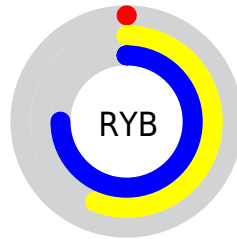
The XYZ color **19.8038, 38.0809, 11.3076** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **25.5704, 12.7396, 21.1927**, and the grayscale version is **17.9917, 18.9287, 20.6134**.

A 20% lighter version of the original color is **42.6012, 72.3319, 28.8557**, and **8.9457, 17.8913, 2.9819** is the 20% darker color. If you saturate the color by 10%, you get **19.8044, 38.0823, 11.3076**, and if you desaturate by 10%, it is **20.4876, 38.3871, 13.4819**.

Distribution



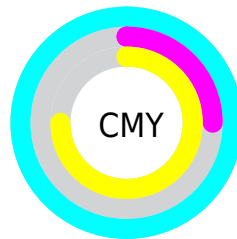
- Red (0%)
- Green (75%)
- Blue (25%)



- Red (0%)
- Yellow (56%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (66%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.8038, 38.0809, 11.3076 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 19.8038, 38.0809, 11.3076 by changing the saturation by 10% instead.


 19.8038, 38.0809,
11.3076


 19.8038, 38.0809,
11.3076


243.7048,
337.9669, 210.5785


 12.3599, 26.0455,
6.1574


 42.5945, 72.2321,
28.8729


 7.0632, 16.8577,
2.8707


 58.6720, 95.1167,
42.1250


 3.5484, 10.1331,
1.0290


 78.3581, 122.3865,
58.9148

 1.4499, 5.4873,
0.0000

 102.0181,
154.4258, 79.6609

 0.2914, 2.5359,
0.0000

 130.0174,
191.6192, 104.7818

 0.0000, 0.8946,
0.0000

162.7214,

 0.0000, 0.0000,

234.3508, 134.6960

0.0000

200.4955,
283.0053, 169.8220

■ 19.8038, 38.0809,
11.3076

■ 19.8038, 38.0809,
11.3076

■ 19.8044, 38.0823,
11.3076

■ 20.4876, 38.3871,
13.4819

■ 21.5276, 38.8657,
16.1307

■ 23.0262, 39.5700,
19.2839

■ 25.0367, 40.5270,
22.9668

■ 27.6050, 41.7600,
27.2028

■ 30.7715, 43.2891,
32.0139

■ 34.5725, 45.1329,
37.4208

■ 39.0418, 47.3082,
43.4432

■ 44.2102, 49.8307,
50.0998

Harmonies

Analogous

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



27.5098, 38.0809, 4.2490



19.8038, 38.0809, 11.3076



16.6529, 38.0809, 32.6257

Triad

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



19.8038, 38.0809, 11.3076



32.9606, 38.0809, 160.4634



64.5701, 38.0809, 19.7905

Complementary

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



19.8038, 38.0809, 11.3076



25.5704, 12.7396, 21.1927

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.



67.0264, 38.0809, 51.7688



19.8038, 38.0809, 11.3076



46.5385, 38.0809, 149.1008

Square

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



19.8038, 38.0809, 11.3076



22.9733, 38.0809, 127.7841



59.7870, 38.0809, 102.3595



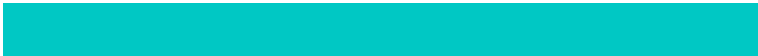
53.7096, 38.0809, 6.7030

Rectangle

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



19.8038, 38.0809, 11.3076



16.8637, 38.0809, 58.6899



59.7870, 38.0809, 102.3595



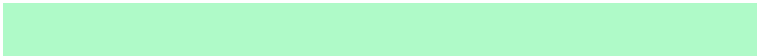
66.4966, 38.0809, 27.9883

Sweetspot

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



19.8047, 38.0825, 11.3085



62.2796, 81.5996, 67.3011



27.7533, 42.2903, 6.7003



12.7073, 17.1884, 13.5211



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.



19.8047, 38.0825, 11.3085



35.7783, 68.9586, 19.9354



25.1960, 40.2390, 39.6986



10.0820, 11.3138, 11.4351



13.3587, 25.6375, 7.7820



0.6097, 1.1207, 0.5076

Inverse Universe

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



25.5704, 12.7396, 21.1927



46.2076, 23.0332, 37.7521



22.0000, 11.3114, 2.3909



10.3477, 10.1877, 11.9215



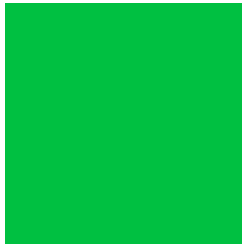
17.2429, 8.5869, 14.4569



0.7761, 0.3835, 0.7885

Previews

White Background



This preview shows how the XYZ color 19.8038, 38.0809, 11.3076 looks on a white background.

Color Contrast Check

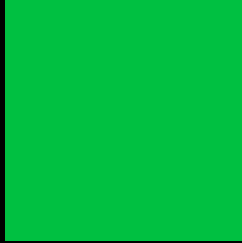
Large Text (above 18pt) WCAG AA × Fail

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 19.8038, 38.0809, 11.3076 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 19.8038, 38.0809, 11.3076

Background



This preview shows how black text looks on a background with the XYZ color 19.8038, 38.0809, 11.3076.



This preview shows how white text looks on a background with the XYZ color 19.8038, 38.0809,

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

19.8038, 38.0809, 11.3076

Protanopia

33.9860, 37.4061, 9.4318

Deuteranopia

37.9901, 37.3323, 12.0410



Tritanopia

29.2007, 38.1573, 56.8650

Trichromacy



Original Color

19.8038, 38.0809, 11.3076



Protanomaly

23.5084, 34.7788, 9.8888



Deuteranomaly

24.5977, 33.8845, 11.3748



Tritanomaly

23.7223, 37.0657, 33.5079

Monochromacy



Original Color

19.8038, 38.0809, 11.3076



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

15.5596, 23.0144, 15.6787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8038, 38.0809, 11.3076 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, 192, 65)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 65)  
}
```

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, 192, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 65) }
```

Border

The CSS property to change the border of an element to XYZ 19.8038, 38.0809, 11.3076 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, 192, 65) }
```


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

```
.border{ border-color:rgb(0, 192, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 192, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 65);  
box-shadow:4px 4px 4px 4px rgb(0, 192, 65)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.8038, 38.0809, 11.3076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 65) }
```

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

```
.background{ background-color: rgb(0, 192,  
65) }
```

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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