

Converting Colors

XYZ(19.4241, 38.2911, 7.3341)

Have a look what the booklet for
XYZ(19.4241, 38.2911, 7.3341)
contains.

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Color

**XYZ(19.4375, 38.3079,
7.3470)**

Conversions

Conversions Part 1

Format	Color
Hex	0EC11A
RGB	14, 193, 26
RGB Percent	5%, 76%, 10%
CMY	0.9451, 0.2431, 0.8980
CMYK	0.93, 0.00, 0.87, 0.24
HSL	124°, 86%, 41%
HSV	124°, 93%, 76%
XYZ	19.4375, 38.3079, 7.3470
YIQ	120.4410, -53.0770, -89.8850

Conversions

Conversions Part 2

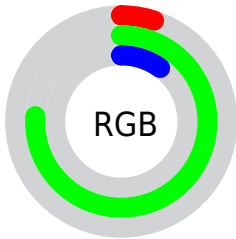
Format	Color
RYB	14, 182, 193
Decimal	966938
CIELab	68.25, -68.55, 63.83
CIElCh	68, 93.669, 137.043
Yxy	38.3079, 0.2986, 0.5885
Android (android.graphics.Color)	4279157018 (0xFF0EC11A)
YUV	120.4410, -46.5594, -93.3488
Hunter-Lab	61.8934, -52.2558, 36.2874

Details

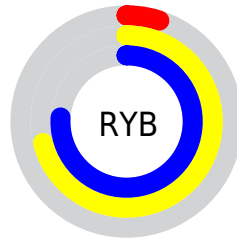
The XYZ color **19.4375, 38.3079, 7.3470** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **30.4897, 14.9877, 44.9968**, and the grayscale version is **18.1519, 19.0972, 20.7969**.

A 20% lighter version of the original color is **42.0093, 72.6587, 21.2616**, and **9.0885, 18.1770, 3.0295** is the 20% darker color. If you saturate the color by 10%, you get **19.1431, 38.1705, 6.7379**, and if you desaturate by 10%, it is **20.1624, 38.6518, 8.7823**.

Distribution



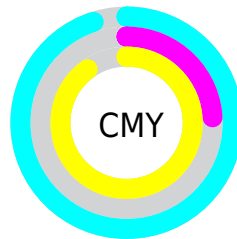
- Red (5%)
- Green (76%)
- Blue (10%)



- Red (5%)
- Yellow (71%)
- Blue (76%)



- Cyan (93%)
- Magenta (0%)
- Yellow (87%)
- Black (24%)





- Cyan (95%)
- Magenta (24%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.4375, 38.3079, 7.3470 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 19.4375, 38.3079, 7.3470 by changing the saturation by 10% instead.


 19.4375, 38.3079,
7.3470

 19.4375, 38.3079,
7.3470


241.7455,
338.9389, 180.2555


 12.0927, 26.2217,
3.5983


 41.9833, 72.5798,
21.1926


 6.8795, 16.9896,
1.4077


 57.9149, 95.5344,
32.1266

 3.4325, 10.2271,
0.1477


 77.4396, 122.8805,
46.2928

 1.3864, 5.5498,
0.0000

 100.9226,
155.0027, 64.1097

 0.2465, 2.5733,
0.0000

 128.7294,
192.2852, 85.9959

 0.0000, 0.9133,
0.0000

 161.2252,

 0.0000, 0.0000,

235.1125, 112.3699

0.0000

198.7755,
283.8689, 143.6503

■ 19.4375, 38.3079,
7.3470

■ 19.4375, 38.3079,
7.3470

■ 19.1431, 38.1705,
6.7379

■ 20.1624, 38.6518,
8.7823

■ 21.3880, 39.2356,
11.0064

■ 23.1846, 40.0949,
14.1116

■ 25.6108, 41.2582,
18.1767

■ 28.7179, 42.7504,
23.2721

■ 32.5519, 44.5939,
29.4611

■ 37.1547, 46.8090,
36.8024

■ 42.5651, 49.4146,
45.3502

■ 48.8193, 52.4282,
55.1555

Harmonies

Analogous

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



28.7611, 38.3079, 2.3518



19.4375, 38.3079, 7.3470



15.2762, 38.3079, 26.1078

Triad

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



19.4375, 38.3079, 7.3470



30.4513, 38.3079, 180.1223



70.5386, 38.3079, 22.2488

Complementary

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



19.4375, 38.3079, 7.3470



30.4897, 14.9877, 44.9968

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.



71.3497, 38.3079, 62.5460



19.4375, 38.3079, 7.3470



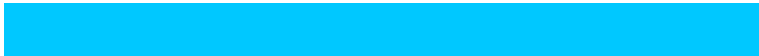
45.3086, 38.3079, 176.2023

Square

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



19.4375, 38.3079, 7.3470



20.3874, 38.3079, 133.0242



61.1692, 38.3079, 124.4030



59.1836, 38.3079, 6.1414

Rectangle

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



19.4375, 38.3079, 7.3470



14.9950, 38.3079, 52.4079



61.1692, 38.3079, 124.4030



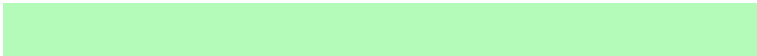
72.1431, 38.3079, 32.5783

Sweetspot

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



19.4384, 38.3095, 7.3479



61.6775, 81.4907, 58.1696



38.2224, 48.0054, 7.6668



12.5001, 17.1304, 11.3084



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.



19.4384, 38.3095, 7.3479



34.2539, 68.3488, 11.9082



22.3714, 39.4827, 22.7928



9.9712, 11.2695, 10.8519



12.7429, 25.3912, 4.5394



0.5602, 1.1009, 0.2469

Inverse Universe

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



30.4897, 14.9877, 44.9968



54.1149, 26.1961, 79.3917



24.0631, 12.4171, 11.1547



10.4672, 10.2355, 12.5507



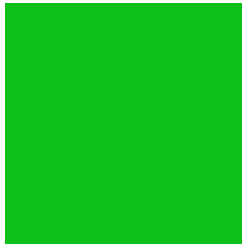
20.1220, 9.7385, 29.6179



0.8784, 0.4243, 1.3268

Previews

White Background



This preview shows how the XYZ color 19.4375, 38.3079, 7.3470 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 19.4375, 38.3079, 7.3470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

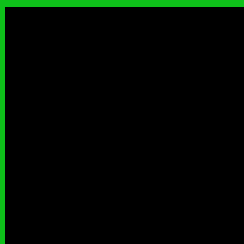
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.4375, 38.3079, 7.3470

Background



This preview shows how black text looks on a background with the XYZ color 19.4375, 38.3079, 7.3470.



This preview shows how white text looks on a background with the XYZ color 19.4375, 38.3079, 7.3470.

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

19.4375, 38.3079, 7.3470

Protanopia

33.8060, 37.3898, 5.9655

Deuteranopia

38.3226, 37.5927, 8.0326



Tritanopia

29.4522, 38.2869, 56.8768

Trichromacy



Original Color

19.4375, 38.3079, 7.3470



Protanomaly

23.6246, 34.9214, 6.1572



Deuteranomaly

25.0743, 34.2210, 7.2912



Tritanomaly

23.2699, 37.2612, 28.1560

Monochromacy



Original Color

19.4375, 38.3079, 7.3470



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

15.5068, 23.2887, 12.4820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4375, 38.3079, 7.3470 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(14, 193, 26)` looks like.

```
.text, #text, p{  
    color:rgb(14, 193, 26)  
}
```

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(14, 193, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 193, 26) }
```

Border

The CSS property to change the border of an element to XYZ 19.4375, 38.3079, 7.3470 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(14, 193, 26) }
```


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

```
.border{ border-color:rgb(14, 193, 26) }
```

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

Here you see how a box with a 4 pixel rgb(14, 193, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 193, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 193, 26);  
box-shadow:4px 4px 4px 4px rgb(14, 193,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4375, 38.3079, 7.3470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 193, 26) }
```

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

```
.background{ background-color: rgb(14, 193,  
26) }
```

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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