

Converting Colors

XYZ(19.6776, 38.4821, 8.2852)

Have a look what the booklet for
XYZ(19.6776, 38.4821, 8.2852)
contains.

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Color

**XYZ(19.6332, 38.3880,
8.2943)**

Conversions

Conversions Part 1

Format	Color
Hex	0FC127
RGB	15, 193, 39
RGB Percent	6%, 76%, 15%
CMY	0.9412, 0.2431, 0.8470
CMYK	0.92, 0.00, 0.80, 0.24
HSL	128°, 86%, 41%
HSV	128°, 92%, 76%
XYZ	19.6332, 38.3880, 8.2943
YIQ	122.2220, -56.6540, -85.6300

Conversions

Conversions Part 2

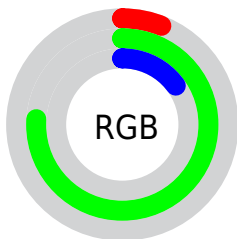
Format	Color
RYB	15, 172, 193
Decimal	1032487
CIELab	68.31, -67.82, 60.57
CIELCh	68, 90.932, 138.231
Yxy	38.3880, 0.2961, 0.5789
Android (android.graphics.Color)	4279222567 (0xFF0FC127)
YUV	122.2220, -41.0284, -94.0337
Hunter-Lab	61.9581, -51.8637, 35.4335

Details

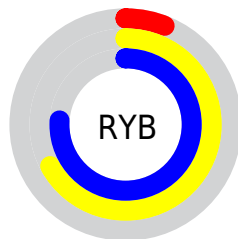
The XYZ color **19.6332, 38.3880, 8.2943** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **29.3254, 14.5441, 38.7971**, and the grayscale version is **18.7157, 19.6904, 21.4428**.

A 20% lighter version of the original color is **42.3638, 72.8005, 23.1284**, and **9.0885, 18.1770, 3.0295** is the 20% darker color. If you saturate the color by 10%, you get **19.2575, 38.2162, 7.3404**, and if you desaturate by 10%, it is **20.4470, 38.7694, 10.1092**.

Distribution



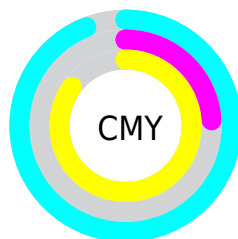
- Red (6%)
- Green (76%)
- Blue (15%)



- Red (6%)
- Yellow (67%)
- Blue (76%)



- Cyan (92%)
- Magenta (0%)
- Yellow (80%)
- Black (24%)





- Cyan (94%)
- Magenta (24%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.6332, 38.3880, 8.2943 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 19.6332, 38.3880, 8.2943 by changing the saturation by 10% instead.


 19.6332, 38.3880,
8.2943


 19.6332, 38.3880,
8.2943


242.7940,
339.2815, 188.0424


 12.2354, 26.2840,
4.1934


 42.3100, 72.7025,
23.0890


 6.9775, 17.0362,
1.7320


 58.3197, 95.6817,
34.6199


 3.4943, 10.2603,
0.3825


 77.9308, 123.0547,
49.4645

 1.4202, 5.5719,
0.0000

 101.5086,
155.2060, 68.0414

 0.2706, 2.5866,
0.0000

 129.4185,
192.5199, 90.7691

 0.0000, 0.9199,
0.0000

 162.0258,

 0.0000, 0.0000,

235.3809, 118.0661

0.0000

199.6958,
284.1733, 150.3511

■ 19.6332, 38.3880,
8.2943

■ 19.6332, 38.3880,
8.2943

■ 19.2575, 38.2162,
7.3404

■ 20.4470, 38.7694,
10.1092

■ 21.7537, 39.3880,
12.6560

■ 23.6184, 40.2771,
16.0026

■ 26.0957, 41.4637,
20.2083

■ 29.2335, 42.9712,
25.3270

■ 33.0748, 44.8209,
31.4079

■ 37.6591, 47.0320,
38.4968

■ 43.0229, 49.6225,
46.6367

■ 49.2002, 52.6091,
55.8679

Harmonies

Analogous

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



28.5708, 38.3880, 2.7934



19.6332, 38.3880, 8.2943



15.7043, 38.3880, 27.7526

Triad

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



19.6332, 38.3880, 8.2943



31.1801, 38.3880, 175.2282



69.1756, 38.3880, 21.7464

Complementary

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



19.6332, 38.3880, 8.2943



29.3254, 14.5441, 38.7971

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.



70.4070, 38.3880, 59.9267



19.6332, 38.3880, 8.2943



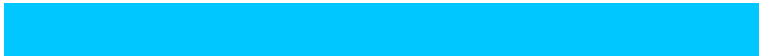
45.7441, 38.3880, 169.3451

Square

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



19.6332, 38.3880, 8.2943



21.1132, 38.3880, 131.8495



60.9656, 38.3880, 118.8531



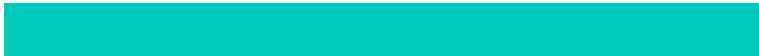
57.9428, 38.3880, 6.3438

Rectangle

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



19.6332, 38.3880, 8.2943



15.5375, 38.3880, 54.0643



60.9656, 38.3880, 118.8531



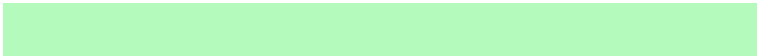
70.8631, 38.3880, 31.5433

Sweetspot

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



19.6341, 38.3896, 8.2952



62.1851, 81.6937, 60.8426



35.5772, 46.6409, 7.5795



12.6173, 17.1773, 11.9257



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.



19.6341, 38.3896, 8.2952



34.4390, 68.4229, 12.8827



23.1467, 39.7946, 26.7924



9.9985, 11.2805, 10.9955



12.8254, 25.4242, 4.9736



0.5725, 1.1059, 0.3117

Inverse Universe

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



29.3254, 14.5441, 38.7971



51.8089, 25.2737, 67.2484



23.6220, 12.2628, 8.7636



10.4370, 10.2234, 12.3916



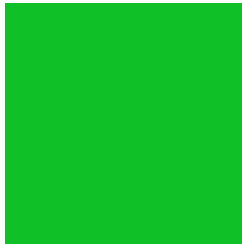
19.2866, 9.4044, 25.2191



0.8498, 0.4129, 1.1766

Previews

White Background



This preview shows how the XYZ color 19.6332, 38.3880, 8.2943 looks on a white background.

Color Contrast Check

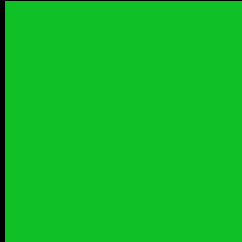
Large Text (above 18pt) WCAG AA × Fail

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 19.6332, 38.3880, 8.2943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

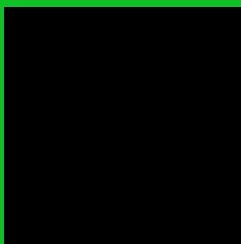
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.6332, 38.3880, 8.2943

Background



This preview shows how black text looks on a background with the XYZ color 19.6332, 38.3880, 8.2943.



This preview shows how white text looks on a background with the XYZ color 19.6332, 38.3880,

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

19.6332, 38.3880, 8.2943

Protanopia

34.1466, 37.8158, 6.8660

Deuteranopia

38.2244, 37.5213, 8.9691



Tritanopia

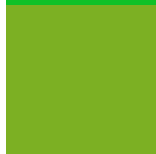
29.4522, 38.2869, 56.8768

Trichromacy



Original Color

19.6332, 38.3880, 8.2943



Protanomaly

24.1409, 35.4571, 7.1617



Deuteranomaly

25.2670, 34.2981, 8.3061



Tritanomaly

23.6237, 37.4028, 30.0191

Monochromacy



Original Color

19.6332, 38.3880, 8.2943



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.0890, 23.7915, 13.8695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6332, 38.3880, 8.2943 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(15, 193, 39)` looks like.

```
.text, #text, p{  
    color:rgb(15, 193, 39)  
}
```

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(15, 193, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 193, 39) }
```

Border

The CSS property to change the border of an element to XYZ 19.6332, 38.3880, 8.2943 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(15, 193, 39) }
```


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

```
.border{ border-color:rgb(15, 193, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 193, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 193, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 193, 39);  
box-shadow:4px 4px 4px 4px rgb(15, 193,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6332, 38.3880, 8.2943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 193, 39) }
```

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

```
.background{ background-color: rgb(15, 193,  
39) }
```

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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