

Converting Colors

XYZ(19.5999, 31.5869, 10.4389)

Have a look what the booklet for
XYZ(19.5999, 31.5869, 10.4389)
contains.

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Color

**XYZ(19.6005, 31.6058,
10.3777)**

Conversions

Conversions Part 1

Format	Color
Hex	58AB43
RGB	88, 171, 67
RGB Percent	35%, 67%, 26%
CMY	0.6549, 0.3294, 0.7372
CMYK	0.49, 0.00, 0.61, 0.33
HSL	108°, 44%, 47%
HSV	108°, 61%, 67%
XYZ	19.6005, 31.6058, 10.3777
YIQ	134.3270, -16.0840, -49.9400

Conversions

Conversions Part 2

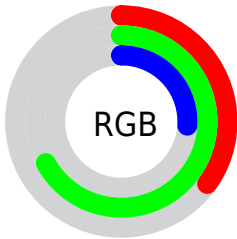
Format	Color
RYB	67, 171, 150
Decimal	5811011
CIELab	63.02, -45.18, 44.88
CIELCh	63, 63.682, 135.195
Yxy	31.6058, 0.3183, 0.5132
Android (android.graphics.Color)	4284001091 (0xFF58AB43)
YUV	134.3270, -33.1922, -40.6288
Hunter-Lab	56.2190, -36.1501, 28.4087

Details

The XYZ color **19.6005, 31.6058, 10.3777** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **21.9374, 13.4398, 39.9678**, and the grayscale version is **22.9038, 24.0966, 26.2412**.

A 20% lighter version of the original color is **42.3005, 62.1994, 27.2290**, and **6.9908, 13.2140, 2.4987** is the 20% darker color. If you saturate the color by 10%, you get **17.9884, 30.8265, 8.0087**, and if you desaturate by 10%, it is **21.6075, 32.5731, 13.5572**.

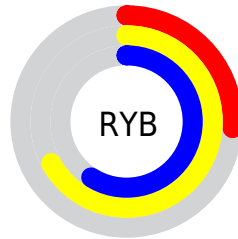
Distribution



Red (35%)

Green (67%)

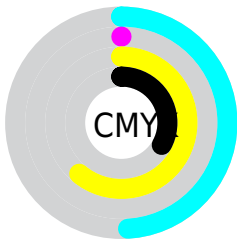
Blue (26%)



Red (26%)

Yellow (67%)

Blue (59%)

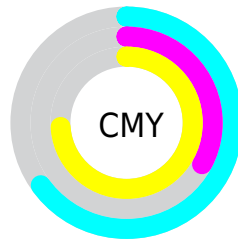


Cyan (49%)

Magenta (0%)

Yellow (61%)

Black (33%)



Cyan (65%)

Magenta (33%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6005, 31.6058, 10.3777 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 19.6005, 31.6058, 10.3777 by changing the saturation by 10% instead.

■ 19.6005, 31.6058,
10.3777

■ 19.6005, 31.6058,
10.3777

242.6191,
309.3196, 203.9287

■ 12.2116, 21.0606,
5.5412

■ 42.2554, 62.1926,
27.1224

■ 6.9611, 13.1683,
2.5040

■ 58.2522, 83.0030,
39.8677

■ 3.4839, 7.5445,
0.8422

■ 77.8488, 108.0038,
56.0863

■ 1.4145, 3.8049,
0.0000

■ 101.4108,
137.5796, 76.1968

■ 0.2665, 1.5650,
0.0000

■ 129.3035,
172.1147, 100.6178

■ 0.0000, 0.3339,
0.0000

161.8922,

■ 0.0000, 0.0000,

211.9934, 129.7677

0.0000

199.5423,
257.6003, 164.0652

■ 19.6005, 31.6058,
10.3777

■ 19.6005, 31.6058,
10.3777

■ 17.9884, 30.8265,
8.0087

■ 21.6075, 32.5731,
13.5572

■ 16.7416, 30.2186,
6.3748

■ 24.0317, 33.7357,
17.6094

■ 15.8297, 29.7694,
5.3904

■ 26.8964, 35.1051,
22.5929

■ 15.2407, 29.4762,
4.8862

■ 30.2224, 36.6911,
28.5606

■ 34.0293, 38.5026,
35.5613

■ 38.3353, 40.5481,
43.6409

■ 43.1579, 42.8355,
52.8422

■ 48.5135, 45.3726,
63.2058

■ 54.4181, 48.1667,
74.7703

Harmonies

Analogous

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



25.8366, 31.6058, 5.6910



19.6005, 31.6058, 10.3777



16.5165, 31.6058, 23.4961

Triad

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



19.6005, 31.6058, 10.3777



25.9370, 31.6058, 105.3330



49.4128, 31.6058, 23.2507

Complementary

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



19.6005, 31.6058, 10.3777



21.9374, 13.4398, 39.9678

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.



49.4542, 31.6058, 48.2766



19.6005, 31.6058, 10.3777



34.6771, 31.6058, 105.1537

Square

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



19.6005, 31.6058, 10.3777



19.6616, 31.6058, 81.2657



43.6524, 31.6058, 80.8541



43.5484, 31.6058, 10.2735

Rectangle

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



19.6005, 31.6058, 10.3777



16.1897, 31.6058, 38.9707



43.6524, 31.6058, 80.8541



50.1408, 31.6058, 30.2259

Sweetspot

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



19.6013, 31.6071, 10.3784



55.7463, 66.4813, 54.1050



28.4724, 30.3912, 9.6761



12.0214, 14.6302, 11.3181



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.6013, 31.6071, 10.3784



31.3677, 54.7942, 13.1841



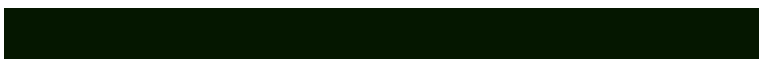
19.0116, 31.1738, 16.1953



8.0499, 9.0143, 8.5290



11.5247, 22.2383, 3.6850



0.3634, 0.6407, 0.1045

Inverse Universe

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



21.9374, 13.4398, 39.9678



35.7999, 19.3257, 70.8452



23.6505, 14.6121, 26.9831



8.1763, 8.0652, 10.0785



13.2976, 6.2151, 29.5433



0.4096, 0.1933, 0.8237

Previews

White Background



This preview shows how the XYZ color 19.6005, 31.6058, 10.3777 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 19.6005, 31.6058, 10.3777 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 19.6005, 31.6058, 10.3777

Background



This preview shows how black text looks on a background with the XYZ color 19.6005, 31.6058, 10.3777.



This preview shows how white text looks on a background with the XYZ color 19.6005, 31.6058,

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

19.6005, 31.6058, 10.3777

Protanopia

28.4327, 31.2284, 8.9440

Deuteranopia

31.7368, 31.0193, 10.9712



Tritanopia

26.2980, 31.3469, 44.1997

Trichromacy



Original Color

19.6005, 31.6058, 10.3777

Protanomaly

24.1106, 30.7306, 9.3635

Deuteranomaly

25.4878, 30.1584, 10.6087

Tritanomaly

22.9454, 31.0389, 27.3360

Monochromacy



Original Color

19.6005, 31.6058, 10.3777

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

20.5843, 25.7751, 18.6420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6005, 31.6058, 10.3777 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(88, 171, 67)` looks like.

```
.text, #text, p{  
    color:rgb(88, 171, 67)  
}
```

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(88, 171, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 171, 67) }
```

Border

The CSS property to change the border of an element to XYZ 19.6005, 31.6058, 10.3777 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(88, 171, 67) }
```


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

```
.border{ border-color:rgb(88, 171, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 171, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 171, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 171, 67);  
box-shadow:4px 4px 4px 4px rgb(88, 171,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6005, 31.6058, 10.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 171, 67) }
```

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

```
.background{ background-color: rgb(88, 171,  
67) }
```

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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