

Converting Colors

XYZ(15.6263, 31.0891, 5.1777)

Have a look what the booklet for
XYZ(15.6263, 31.0891, 5.1777)
contains.

XYZ(15.6380, 31.1087, 5.1804)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.6380, 31.1087,
5.1804)**

Conversions

Conversions Part 1

Format	Color
Hex	09B000
RGB	9, 176, 0
RGB Percent	4%, 69%, 0%
CMY	0.9647, 0.3098, 0.9999
CMYK	0.95, 0.00, 1.00, 0.31
HSL	117°, 100%, 35%
HSV	117°, 100%, 69%
XYZ	15.6380, 31.1087, 5.1804
YIQ	106.0030, -43.0360, -90.1400

Conversions

Conversions Part 2

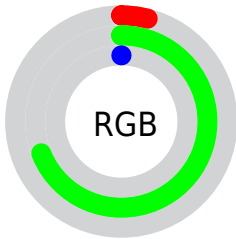
Format	Color
RYB	0, 176, 167
Decimal	634880
CIELab	62.60, -64.81, 63.04
CIELCh	63, 90.416, 135.791
Yxy	31.1087, 0.3012, 0.5991
Android (android.graphics.Color)	4278824960 (0xFF09B000)
YUV	106.0030, -52.2595, -85.0716
Hunter-Lab	55.7752, -47.5595, 33.5358

Details

The XYZ color **15.6380, 31.1087, 5.1804** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **23.7771, 11.3526, 42.0139**, and the grayscale version is **13.8491, 14.5703, 15.8671**.

A 20% lighter version of the original color is **35.5545, 61.4385, 16.6415**, and **6.9595, 13.9191, 2.3198** is the 20% darker color. If you saturate the color by 10%, you get **15.6384, 31.1098, 5.1806**, and if you desaturate by 10%, it is **16.0505, 31.3100, 5.7535**.

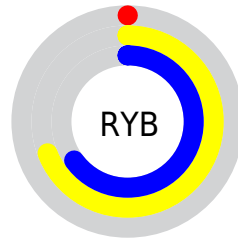
Distribution



Red (4%)

Green (69%)

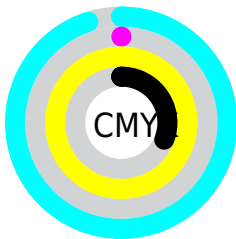
Blue (0%)



Red (0%)

Yellow (69%)

Blue (65%)

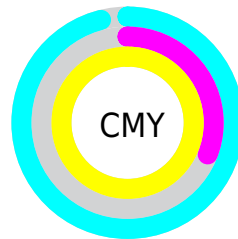


Cyan (95%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (96%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6380, 31.1087, 5.1804 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 15.6380, 31.1087, 5.1804 by changing the saturation by 10% instead.


 15.6380, 31.1087,
5.1804


 15.6380, 31.1087,
5.1804


220.5087,
307.0388, 160.5593


 9.3576, 20.6816,
2.2929


 35.5311, 61.4112,
16.6517


 5.0341, 12.8915,
0.7272


 49.8746, 82.0554,
26.0726


 2.3023, 7.3539,
0.0000


 67.6364, 106.8741,
38.5084

 0.7958, 3.6844,
0.0000

 89.1820, 136.2516,
54.3775

 0.0000, 1.4986,
0.0000

 114.8766,
170.5725, 74.0987


 0.0000, 0.2878,
0.0000


 145.0857,


 0.0000, 0.0000,


210.2211, 98.0903


0.0000


 180.1746,
255.5817, 126.7710


 15.6380, 31.1087,
5.1804


 15.6380, 31.1087,
5.1804


 15.6384, 31.1098,
5.1806

 16.0505, 31.3100,
5.7535

 16.8041, 31.6754,
6.8355

 17.9744, 32.2403,
8.6220

 19.6101, 33.0281,
11.2055

 21.7531, 34.0585,
14.6642

■ 24.4406, 35.3493,
19.0672

■ 27.7065, 36.9166,
24.4765

■ 31.5817, 38.7751,
30.9491

■ 36.0951, 40.9385,
38.5374

Harmonies

Analogous

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



23.5822, 31.1087, 1.5539



15.6380, 31.1087, 5.1804



12.0441, 31.1087, 19.8072

Triad

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



15.6380, 31.1087, 5.1804



24.1295, 31.1087, 151.2711



58.6985, 31.1087, 18.5691

Complementary

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



15.6380, 31.1087, 5.1804



23.7771, 11.3526, 42.0139

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.



58.9662, 31.1087, 53.3877



15.6380, 31.1087, 5.1804



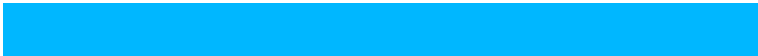
36.4894, 31.1087, 149.9606

Square

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



15.6380, 31.1087, 5.1804



15.9423, 31.1087, 109.4177



49.9902, 31.1087, 106.5496



49.3369, 31.1087, 4.8109

Rectangle

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



15.6380, 31.1087, 5.1804



11.7156, 31.1087, 41.1842



49.9902, 31.1087, 106.5496



59.9274, 31.1087, 27.4811

Sweetspot

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



15.6387, 31.1100, 5.1811



49.9040, 66.7867, 43.8175



31.2292, 35.8784, 5.2798



10.2643, 14.2095, 8.5818



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



15.6387, 31.1100, 5.1811



28.3056, 56.3919, 9.3929



16.8404, 31.5777, 12.0958



8.4278, 9.5101, 9.0440



11.4890, 22.8329, 3.8017



0.3747, 0.7252, 0.1202

Inverse Universe

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



23.7771, 11.3526, 42.0139



43.0613, 20.5571, 76.1936



20.1932, 10.1460, 12.8855



8.8063, 8.6242, 10.7068



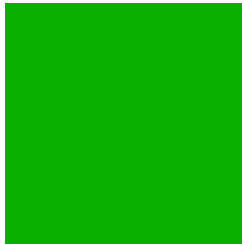
17.4601, 8.3368, 30.8259



0.5623, 0.2690, 0.9705

Previews

White Background



This preview shows how the XYZ color 15.6380, 31.1087, 5.1804 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 15.6380, 31.1087, 5.1804 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 15.6380, 31.1087, 5.1804

Background



This preview shows how black text looks on a background with the XYZ color 15.6380, 31.1087, 5.1804.



This preview shows how white text looks on a background with the XYZ color 15.6380, 31.1087,

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

15.6380, 31.1087, 5.1804

Protanopia

27.6442, 30.6793, 4.4647

Deuteranopia

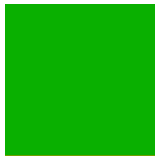
31.1586, 30.6037, 6.0986



Tritanopia

24.0353, 31.1811, 46.3467

Trichromacy



Original Color

15.6380, 31.1087, 5.1804



Protanomaly

19.1264, 28.5211, 4.4971



Deuteranomaly

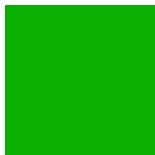
20.1984, 27.7937, 5.1643



Tritanomaly

18.2987, 29.8756, 20.4249

Monochromacy



Original Color

15.6380, 31.1087, 5.1804



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

11.7280, 17.9774, 8.1621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6380, 31.1087, 5.1804 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(9, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(9, 176, 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(9, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 176, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.6380, 31.1087, 5.1804 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(9, 176, 0) }
```


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

```
.border{ border-color:rgb(9, 176, 0) }
```

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

Here you see how a box with a 4 pixel rgb(9, 176, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 176, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 176, 0); box-shadow:4px  
4px 4px 4px rgb(9, 176, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6380, 31.1087, 5.1804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 176, 0) }
```

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

```
.background{ background-color: rgb(9, 176,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor