

# Converting Colors

XYZ(15.6080, 31.0787, 5.1762)

Have a look what the booklet for  
XYZ(15.6080, 31.0787, 5.1762)  
contains.

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# Color

**XYZ(15.6130, 31.0958,  
5.1792)**

# Conversions

## Conversions Part 1

Format	Color
Hex	07B000
RGB	7, 176, 0
RGB Percent	3%, 69%, 0%
CMY	0.9725, 0.3098, 0.9999
CMYK	0.96, 0.00, 1.00, 0.31
HSL	118°, 100%, 35%
HSV	118°, 100%, 69%
XYZ	15.6130, 31.0958, 5.1792
YIQ	105.4050, -44.2280, -90.5640

# Conversions

## Conversions Part 2

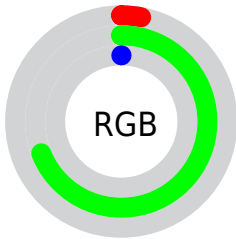
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 176, 169
Decimal	503808
CIELab	62.59, -64.91, 63.03
CIELCh	63, 90.478, 135.841
Yxy	31.0958, 0.3009, 0.5993
Android (android.graphics.Color)	4278693888 (0xFF07B000)
YUV	105.4050, -51.9647, -86.3012
Hunter-Lab	55.7636, -47.6089, 33.5278

# Details

The XYZ color **15.6130, 31.0958, 5.1792** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **24.2020, 11.5716, 42.0338**, and the grayscale version is **13.6845, 14.3972, 15.6785**.

A 20% lighter version of the original color is **35.4459, 61.3825, 16.6364**, and **6.9595, 13.9191, 2.3198** is the 20% darker color. If you saturate the color by 10%, you get **15.6134, 31.0969, 5.1794**, and if you desaturate by 10%, it is **16.0065, 31.2873, 5.7514**.

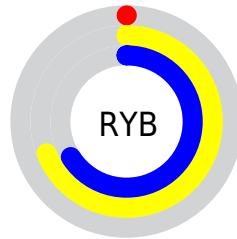
# Distribution



Red (3%)

Green (69%)

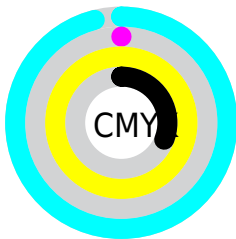
Blue (0%)



Red (0%)

Yellow (69%)

Blue (66%)

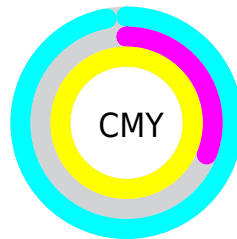


Cyan (96%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (97%)

Magenta (31%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6130, 31.0958, 5.1792 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 15.6130, 31.0958, 5.1792 by changing the saturation by 10% instead.





 15.6130, 31.0958,  
5.1792


 15.6130, 31.0958,  
5.1792


220.3627,  
306.9794, 160.5475


 9.3398, 20.6718,  
2.2922


 35.4879, 61.3909,  
16.6491


 5.0224, 12.8843,  
0.7269


 49.8204, 82.0307,  
26.0691

 2.2953, 7.3489,  
0.0000


 67.5700, 106.8447,  
38.5038

 0.7923, 3.6813,  
0.0000

 89.1021, 136.2171,  
54.3718

 0.0000, 1.4969,  
0.0000

 114.7821,  
170.5324, 74.0916

 0.0000, 0.2866,  
0.0000

 144.9753,

 0.0000, 0.0000,

210.1749, 98.0818

0.0000

180.0471,  
255.5292, 126.7609

15.6130, 31.0958,  
5.1792

15.6130, 31.0958,  
5.1792

15.6134, 31.0969,  
5.1794

16.0065, 31.2873,  
5.7514

16.7394, 31.6420,  
6.8324

17.8925, 32.1981,  
8.6181

19.5160, 32.9796,  
11.2009

21.6533, 34.0070,  
14.6593

■ 24.3425, 35.2987,  
19.0623

■ 27.6184, 36.8712,  
24.4721

■ 31.5128, 38.7395,  
30.9455

■ 36.0552, 40.9179,  
38.5351

# Harmonies

## Analogous

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



23.5508, 31.0958, 1.5484



15.6130, 31.0958, 5.1792



12.0260, 31.0958, 19.8294

# Triad

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



15.6130, 31.0958, 5.1792



24.1327, 31.0958, 151.3945



58.6950, 31.0958, 18.5133

# Complementary

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



15.6130, 31.0958, 5.1792



24.2020, 11.5716, 42.0338

# 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.



58.9797, 31.0958, 53.3067



15.6130, 31.0958, 5.1792



36.5031, 31.0958, 150.0000

# Square

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



15.6130, 31.0958, 5.1792



15.9365, 31.0958, 109.5497



50.0097, 31.0958, 106.4983



49.3148, 31.0958, 4.7868



# Rectangle

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



15.6130, 31.0958, 5.1792



11.7014, 31.0958, 41.2404



50.0097, 31.0958, 106.4983



59.9303, 31.0958, 27.4139

# Sweetspot

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



15.6137, 31.0971, 5.1799



49.7432, 66.7038, 43.8100



31.7613, 36.9426, 5.4571



10.2275, 14.1905, 8.5801



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.



15.6137, 31.0971, 5.1799



28.2720, 56.3745, 9.3913



16.9451, 31.6195, 12.6475



8.4192, 9.5056, 9.0436



11.4673, 22.8217, 3.8006



0.3711, 0.7234, 0.1201



# Inverse Universe

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



24.2020, 11.5716, 42.0338



43.8446, 20.9609, 76.2303



20.0541, 10.0903, 12.1534



8.8160, 8.6292, 10.7073



17.7686, 8.4958, 30.8403

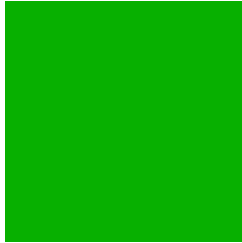


0.5693, 0.2726, 0.9708



# Previews

## White Background



This preview shows how the XYZ color 15.6130, 31.0958, 5.1792 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

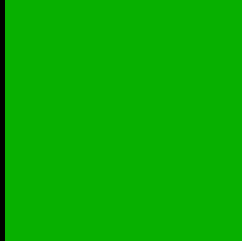
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 15.6130, 31.0958, 5.1792 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

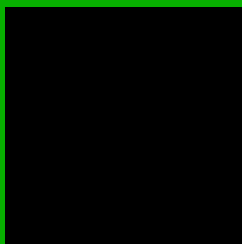
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 15.6130, 31.0958, 5.1792**

## **Background**



This preview shows how black text looks on a background with the XYZ color 15.6130, 31.0958, 5.1792.



This preview shows how white text looks on a background with the XYZ color 15.6130, 31.0958,



# 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

15.6130, 31.0958, 5.1792

### Protanopia

27.6442, 30.6793, 4.4647

### Deuteranopia

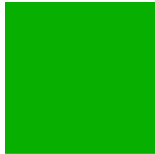
31.1586, 30.6037, 6.0986



## Tritanopia

24.0353, 31.1811, 46.3467

# Trichromacy



## Original Color

15.6130, 31.0958, 5.1792



## Protanomaly

19.1264, 28.5211, 4.4971



## Deuteranomaly

20.0546, 27.7196, 5.1576



## Tritanomaly

18.2987, 29.8756, 20.4249

# Monochromacy



## Original Color

15.6130, 31.0958, 5.1792



## Achromatopsia

13.4271, 14.1263, 15.3836



## Achromatomaly

11.5837, 17.9031, 8.1553

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 15.6130, 31.0958, 5.1792 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(7, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(7, 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(7, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 176, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 15.6130, 31.0958, 5.1792 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(7, 176, 0) }
```



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

```
.border{ border-color:rgb(7, 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(7, 176, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 176, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 176, 0); box-shadow:4px  
4px 4px 4px rgb(7, 176, 0) }
```

# Background

The CSS property to change the background color of an element to XYZ 15.6130, 31.0958, 5.1792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 176, 0) }
```

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

```
.background{ background-color: rgb(7, 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](#).

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