

Converting Colors

XYZ(15.8359, 31.1962, 5.1868)

Have a look what the booklet for
XYZ(15.8359, 31.1962, 5.1868)
contains.

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Color

**XYZ(15.8562, 31.2212,
5.1906)**

Conversions

Conversions Part 1

Format	Color
Hex	16B000
RGB	22, 176, 0
RGB Percent	9%, 69%, 0%
CMY	0.9137, 0.3098, 0.9999
CMYK	0.88, 0.00, 1.00, 0.31
HSL	113°, 100%, 35%
HSV	113°, 100%, 69%
XYZ	15.8562, 31.2212, 5.1906
YIQ	109.8900, -35.2880, -87.3840

Conversions

Conversions Part 2

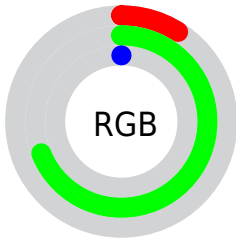
Format	Color
RYB	0, 176, 154
Decimal	1486848
CIELab	62.69, -63.95, 63.16
CIELCh	63, 89.883, 135.356
Yxy	31.2212, 0.3034, 0.5973
Android (android.graphics.Color)	4279676928 (0xFF16B000)
YUV	109.8900, -54.1758, -77.0795
Hunter-Lab	55.8759, -47.1290, 33.6054

Details

The XYZ color **15.8562, 31.2212, 5.1906** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **21.1672, 10.0071, 41.8918**, and the grayscale version is **14.9484, 15.7269, 17.1266**.

A 20% lighter version of the original color is **35.8884, 61.6106, 16.6571**, and **6.9595, 13.9191, 2.3198** is the 20% darker color. If you saturate the color by 10%, you get **15.8565, 31.2223, 5.1908**, and if you desaturate by 10%, it is **16.4095, 31.4951, 5.7703**.

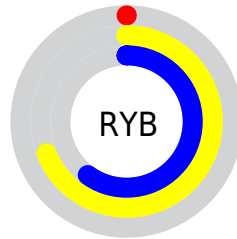
Distribution



Red (9%)

Green (69%)

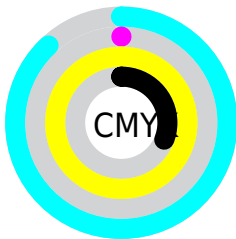
Blue (0%)



Red (0%)

Yellow (69%)

Blue (60%)

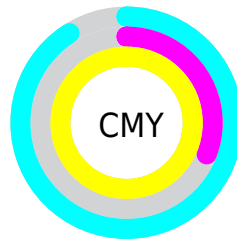


Cyan (88%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (91%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8562, 31.2212, 5.1906 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 15.8562, 31.2212, 5.1906 by changing the saturation by 10% instead.


 15.8562, 31.2212,
5.1906


 15.8562, 31.2212,
5.1906


221.7788,
307.5561, 160.6599


 9.5127, 20.7673,
2.2988


 35.9078, 61.5882,
16.6739


 5.1368, 12.9540,
0.7306


 50.3467, 82.2701,
26.1025


 2.3633, 7.3969,
0.0000


 68.2146, 107.1301,
38.5472

 0.8268, 3.7115,
0.0000

 89.8770, 136.5527,
54.4264

 0.0000, 1.5135,
0.0000

 115.6993,
170.9221, 74.1588


 0.0000, 0.2982,
0.0000


 146.0468,


 0.0000, 0.0000,


210.6229, 98.1628


0.0000


 181.2848,
256.0395, 126.8570


 15.8562, 31.2212,
5.1906


 15.8562, 31.2212,
5.1906


 15.8565, 31.2223,
5.1908

 16.4095, 31.4951,
5.7703

 17.2905, 31.9261,
6.8582

 18.5626, 32.5436,
8.6495

 20.2658, 33.3661,
11.2361

 22.4348, 34.4100,
14.6960

■ 25.1007, 35.6896,
19.0979

■ 28.2921, 37.2185,
24.5038

■ 32.0352, 39.0089,
30.9701

■ 36.3545, 41.0723,
38.5494

Harmonies

Analogous

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



23.8559, 31.2212, 1.6018



15.8562, 31.2212, 5.1906



12.2024, 31.2212, 19.6152

Triad

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



15.8562, 31.2212, 5.1906



24.1015, 31.2212, 150.2076



58.7307, 31.2212, 19.0586

Complementary

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



15.8562, 31.2212, 5.1906



21.1672, 10.0071, 41.8918

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.



58.8503, 31.2212, 54.0951



15.8562, 31.2212, 5.1906



36.3705, 31.2212, 149.6233

Square

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



15.8562, 31.2212, 5.1906



15.9931, 31.2212, 108.2790



49.8222, 31.2212, 106.9991



49.5300, 31.2212, 5.0229

Rectangle

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



15.8562, 31.2212, 5.1906



11.8392, 31.2212, 40.6989



49.8222, 31.2212, 106.9991



59.9036, 31.2212, 28.0702

Sweetspot

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



15.8569, 31.2225, 5.1913



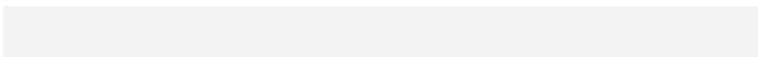
50.9760, 67.3393, 43.8677



29.2211, 31.8621, 4.6104



10.5108, 14.3366, 8.5933



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.



15.8569, 31.2225, 5.1913



28.6552, 56.5721, 9.4092



16.4672, 31.4284, 10.1307



8.4844, 9.5393, 9.0466



11.6620, 22.9220, 3.8097



0.3983, 0.7374, 0.1213

Inverse Universe

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



21.1672, 10.0071, 41.8918



38.2552, 18.0794, 75.9687



20.8009, 10.3890, 16.0854



8.7435, 8.5918, 10.7039



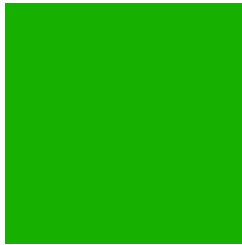
15.5635, 7.3591, 30.7371



0.5188, 0.2465, 0.9685

Previews

White Background



This preview shows how the XYZ color 15.8562, 31.2212, 5.1906 looks on a white background.

Color Contrast Check

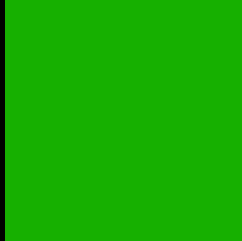
Large Text (above 18pt) WCAG AA × Fail

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 15.8562, 31.2212, 5.1906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

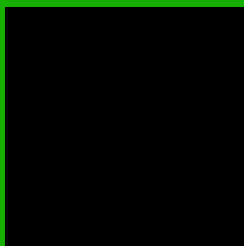
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 15.8562, 31.2212, 5.1906

Background



This preview shows how black text looks on a background with the XYZ color 15.8562, 31.2212, 5.1906.



This preview shows how white text looks on a background with the XYZ color 15.8562, 31.2212,

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

15.8562, 31.2212, 5.1906

Protanopia

27.6442, 30.6793, 4.4647

Deuteranopia

31.1586, 30.6037, 6.0986



Tritanopia

24.1918, 31.2617, 46.3541

Trichromacy



Original Color

15.8562, 31.2212, 5.1906



Protanomaly

19.7733, 28.8546, 4.5273



Deuteranomaly

20.7883, 28.0978, 5.1919



Tritanomaly

18.6142, 30.0383, 20.4397

Monochromacy



Original Color

15.8562, 31.2212, 5.1906



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

12.7725, 19.1121, 8.8102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8562, 31.2212, 5.1906 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(22, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(22, 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(22, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 176, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.8562, 31.2212, 5.1906 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(22, 176, 0) }
```


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

```
.border{ border-color:rgb(22, 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(22, 176, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 176, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 176, 0);  
box-shadow:4px 4px 4px 4px rgb(22, 176, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.8562, 31.2212, 5.1906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 176, 0) }
```

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

```
.background{ background-color: rgb(22, 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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