

Converting Colors

XYZ(15.7803, 31.2012, 5.1907)

Have a look what the booklet for
XYZ(15.7803, 31.2012, 5.1907)
contains.

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Color

**XYZ(15.7748, 31.1793,
5.1868)**

Conversions

Conversions Part 1

Format	Color
Hex	12B000
RGB	18, 176, 0
RGB Percent	7%, 69%, 0%
CMY	0.9294, 0.3098, 0.9999
CMYK	0.90, 0.00, 1.00, 0.31
HSL	114°, 100%, 35%
HSV	114°, 100%, 69%
XYZ	15.7748, 31.1793, 5.1868
YIQ	108.6940, -37.6720, -88.2320

Conversions

Conversions Part 2

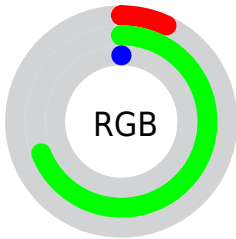
Format	Color
RYB	0, 176, 158
Decimal	1224704
CIELab	62.66, -64.27, 63.12
CIELCh	63, 90.081, 135.518
Yxy	31.1793, 0.3025, 0.5980
Android (android.graphics.Color)	4279414784 (0xFF12B000)
YUV	108.6940, -53.5861, -79.5386
Hunter-Lab	55.8384, -47.2896, 33.5795

Details

The XYZ color **15.7748, 31.1793, 5.1868** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **21.9417, 10.4063, 41.9282**, and the grayscale version is **14.6048, 15.3654, 16.7329**.

A 20% lighter version of the original color is **35.7757, 61.5525, 16.6519**, and **6.9595, 13.9191, 2.3198** is the 20% darker color. If you saturate the color by 10%, you get **15.7751, 31.1804, 5.1870**, and if you desaturate by 10%, it is **16.2852, 31.4311, 5.7645**.

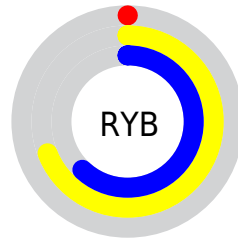
Distribution



Red (7%)

Green (69%)

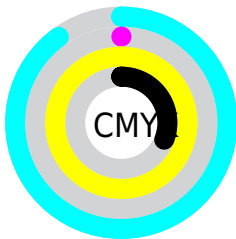
Blue (0%)



Red (0%)

Yellow (69%)

Blue (62%)

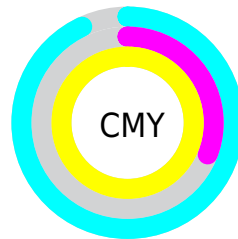


Cyan (90%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (93%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7748, 31.1793, 5.1868 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 15.7748, 31.1793, 5.1868 by changing the saturation by 10% instead.


 15.7748, 31.1793,
5.1868


 15.7748, 31.1793,
5.1868


221.3058,
307.3635, 160.6224


 9.4548, 20.7354,
2.2966


 35.7674, 61.5223,
16.6656


 5.0985, 12.9307,
0.7293


 50.1707, 82.1901,
26.0914


 2.3405, 7.3809,
0.0000


 67.9991, 107.0348,
38.5327

 0.8153, 3.7014,
0.0000

 89.6181, 136.4406,
54.4082

 0.0000, 1.5080,
0.0000

 115.3928,
170.7920, 74.1364


 0.0000, 0.2943,
0.0000


 145.6888,


 0.0000, 0.0000,


210.4733, 98.1358


0.0000


 180.8713,
255.8690, 126.8250


 15.7748, 31.1793,
5.1868


 15.7748, 31.1793,
5.1868


 15.7751, 31.1804,
5.1870

 16.2852, 31.4311,
5.7645

 17.1285, 31.8427,
6.8506

 18.3713, 32.4450,
8.6405

 20.0559, 33.2580,
11.2263

 22.2190, 34.2988,
14.6859

■ 24.8935, 35.5829,
19.0883

■ 28.1095, 37.1244,
24.4953

■ 31.8945, 38.9364,
30.9636

■ 36.2744, 41.0311,
38.5457

Harmonies

Analogous

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



23.7538, 31.1793, 1.5838



15.7748, 31.1793, 5.1868



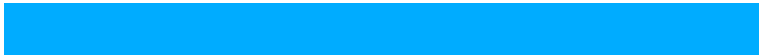
12.1433, 31.1793, 19.6865

Triad

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



15.7748, 31.1793, 5.1868



24.1119, 31.1793, 150.6024



58.7187, 31.1793, 18.8755

Complementary

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



15.7748, 31.1793, 5.1868



21.9417, 10.4063, 41.9282

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.



58.8934, 31.1793, 53.8312



15.7748, 31.1793, 5.1868



36.4146, 31.1793, 149.7486

Square

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



15.7748, 31.1793, 5.1868



15.9742, 31.1793, 108.7014



49.8846, 31.1793, 106.8317



49.4581, 31.1793, 4.9433

Rectangle

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



15.7748, 31.1793, 5.1868



11.7931, 31.1793, 40.8789



49.8846, 31.1793, 106.8317



59.9124, 31.1793, 27.8501

Sweetspot

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



15.7755, 31.1806, 5.1875



50.6415, 67.1669, 43.8520



29.7053, 32.8305, 4.7718



10.4337, 14.2968, 8.5897



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.



15.7755, 31.1806, 5.1875



28.5216, 56.5032, 9.4030



16.5537, 31.4631, 10.5863



8.4669, 9.5303, 9.0458



11.5987, 22.8894, 3.8068



0.3910, 0.7336, 0.1210

Inverse Universe

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



21.9417, 10.4063, 41.9282



39.6802, 18.8141, 76.0354



20.6412, 10.3252, 15.2441



8.7628, 8.6018, 10.7048



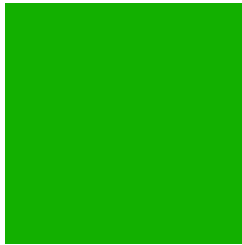
16.1265, 7.6493, 30.7635



0.5318, 0.2533, 0.9691

Previews

White Background



This preview shows how the XYZ color 15.7748, 31.1793, 5.1868 looks on a white background.

Color Contrast Check

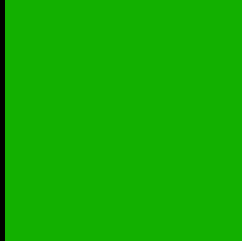
Large Text (above 18pt) WCAG AA × Fail

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 15.7748, 31.1793, 5.1868 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 15.7748, 31.1793, 5.1868

Background



This preview shows how black text looks on a background with the XYZ color 15.7748, 31.1793, 5.1868.



This preview shows how white text looks on a background with the XYZ color 15.7748, 31.1793,

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

15.7748, 31.1793, 5.1868

Protanopia

27.6442, 30.6793, 4.4647

Deuteranopia

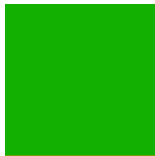
31.1586, 30.6037, 6.0986



Tritanopia

24.1129, 31.2211, 46.3504

Trichromacy



Original Color

15.7748, 31.1793, 5.1868



Protanomaly

19.6410, 28.7864, 4.5211



Deuteranomaly

20.6386, 28.0207, 5.1849



Tritanomaly

18.5046, 29.9818, 20.4346

Monochromacy



Original Color

15.7748, 31.1793, 5.1868



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

12.4422, 18.7412, 8.5919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7748, 31.1793, 5.1868 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(18, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(18, 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(18, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 176, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.7748, 31.1793, 5.1868 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(18, 176, 0) }
```


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

```
.border{ border-color:rgb(18, 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(18, 176, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 176, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 176, 0);  
box-shadow:4px 4px 4px 4px rgb(18, 176, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.7748, 31.1793, 5.1868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 176, 0) }
```

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

```
.background{ background-color: rgb(18, 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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