

Converting Colors

XYZ(31.6990, 18.6792, 1.9347)

Have a look what the booklet for
XYZ(31.6990, 18.6792, 1.9347)
contains.

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Color

**XYZ(31.6882, 18.6575,
1.9311)**

Conversions

Conversions Part 1

Format	Color
Hex	DE3B00
RGB	222, 59, 0
RGB Percent	87%, 23%, 0%
CMY	0.1294, 0.7686, 1.0000
CMYK	0.00, 0.73, 1.00, 0.13
HSL	16°, 100%, 44%
HSV	16°, 100%, 87%
XYZ	31.6882, 18.6575, 1.9311
YIQ	101.0110, 116.0870, 16.2070

Conversions

Conversions Part 2

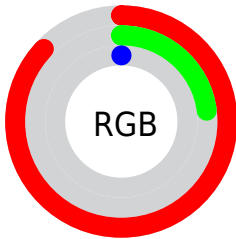
Format	Color
RYB	222, 80, 0
Decimal	14564096
CIELab	50.28, 60.99, 62.13
CIELCh	50, 87.063, 45.526
Yxy	18.6575, 0.6062, 0.3569
Android (android.graphics.Color)	4292754176 (0xFFDE3B00)
YUV	101.0110, -49.7984, 106.1074
Hunter-Lab	43.1943, 55.3610, 27.5853

Details

The XYZ color **31.6882, 18.6575, 1.9311** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **26.2802, 31.4648, 73.7950**, and the grayscale version is **12.4774, 13.1272, 14.2955**.

A 20% lighter version of the original color is **48.3907, 34.2983, 8.2074**, and **13.9046, 7.1681, 0.6507** is the 20% darker color. If you saturate the color by 10%, you get **31.6885, 18.6584, 1.9313**, and if you desaturate by 10%, it is **32.8080, 20.6626, 3.0284**.

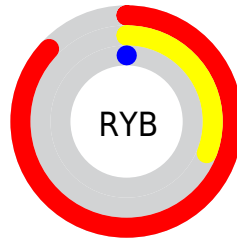
Distribution



Red (87%)

Green (23%)

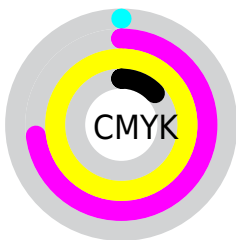
Blue (0%)



Red (87%)

Yellow (31%)

Blue (0%)

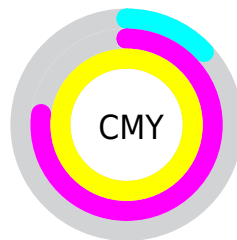


Cyan (0%)

Magenta (73%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (77%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6882, 18.6575, 1.9311 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 31.6882, 18.6575, 1.9311 by changing the saturation by 10% instead.


 31.6882, 18.6575,
1.9311


 31.6882, 18.6575,
1.9311


 301.4670,
244.5514, 121.2976


 21.2778, 11.4231,
0.5124


 61.6905, 41.1545,
8.8516


 13.4409, 6.3521,
0.0000


 82.0131, 57.1859,
15.2573


 7.8119, 3.0604,
0.0000


 106.3705, 76.9184,
24.1849

 4.0256, 1.1633,
0.0000

 135.1281,
100.7365, 36.0527

 1.7166, 0.0314,
0.0000

 168.6512,
129.0244, 51.2793


 0.4667, 0.0000,
0.0000


 207.3051,


 0.0000, 0.0000,


162.1665, 70.2833


0.0000


 251.4553,
200.5474, 93.4832


 31.6882, 18.6575,
1.9311


 31.6882, 18.6575,
1.9311


 31.6885, 18.6584,
1.9313

 32.8080, 20.6626,
3.0284

 34.3797, 23.3012,
5.1083

 36.4782, 26.6358,
8.4665

 39.1526, 30.7148,
13.2727

 42.4456, 35.5818,
19.6704

■ 46.3957, 41.2767,
27.7855

■ 51.0378, 47.8368,
37.7311

■ 56.4045, 55.2968,
49.6108

■ 62.5259, 63.6898,
63.5202

Harmonies

Analogous

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



38.3884, 18.6575, 10.2488



31.6882, 18.6575, 1.9311



22.1017, 18.6575, 0.1676

Triad

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



31.6882, 18.6575, 1.9311



6.2123, 18.6575, 10.7799



22.4366, 18.6575, 105.9198

Complementary

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



31.6882, 18.6575, 1.9311



26.2802, 31.4648, 73.7950

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.



13.9823, 18.6575, 106.5850



31.6882, 18.6575, 1.9311



6.2507, 18.6575, 35.4497

Square

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



31.6882, 18.6575, 1.9311



8.4983, 18.6575, 2.0595



8.6280, 18.6575, 74.7191



31.9994, 18.6575, 73.2909

Rectangle

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



31.6882, 18.6575, 1.9311



16.2175, 18.6575, 0.0027



8.6280, 18.6575, 74.7191



19.3409, 18.6575, 110.4279

Sweetspot

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



31.6886, 18.6586, 1.9314



69.7116, 65.2652, 51.3064



37.0530, 18.3011, 37.8970



14.3199, 13.1236, 9.6814



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.6886, 18.6586, 1.9314



43.2939, 25.3679, 2.6146



43.8514, 42.9841, 5.9856



14.0021, 14.2901, 14.3271



18.9005, 11.2389, 1.1732



1.3826, 0.9241, 0.1055

Inverse Universe

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



26.2802, 31.4648, 73.7950



35.8667, 42.8533, 100.9889



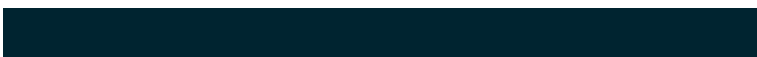
14.5749, 8.0542, 69.8932



13.7923, 14.9236, 17.5413



15.7056, 18.8807, 43.8649



1.1608, 1.4531, 3.0645

Previews

White Background



This preview shows how the XYZ color 31.6882, 18.6575, 1.9311 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6882, 18.6575, 1.9311 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 × Fail

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

XYZ 31.6882, 18.6575, 1.9311

Background



This preview shows how black text looks on a background with the XYZ color 31.6882, 18.6575, 1.9311.



This preview shows how white text looks on a background with the XYZ color 31.6882, 18.6575,

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

31.6882, 18.6575, 1.9311

Protanopia

17.0045, 18.8958, 3.6707

Deuteranopia

18.9662, 18.7100, 2.6118



Tritanopia

32.5361, 18.7158, 5.7686

Trichromacy



Original Color

31.6882, 18.6575, 1.9311

Protanomaly

20.3976, 16.9883, 2.6942

Deuteranomaly

22.1342, 17.3525, 2.1828

Tritanomaly

32.1640, 18.6437, 3.5724

Monochromacy



Original Color

31.6882, 18.6575, 1.9311

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

15.9303, 13.0455, 6.5289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6882, 18.6575, 1.9311 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(222, 59, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 59, 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(222, 59, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 59, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.6882, 18.6575, 1.9311 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(222, 59, 0) }
```


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

```
.border{ border-color:rgb(222, 59, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 59, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 59, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 59, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 59, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.6882, 18.6575, 1.9311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 59, 0) }
```

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

```
.background{ background-color: rgb(222, 59,  
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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