

Converting Colors

XYZ(31.7558, 21.5201, 3.0050)

Have a look what the booklet for
XYZ(31.7558, 21.5201, 3.0050)
contains.

XYZ(31.9098, 21.6188, 3.0213)	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(31.9098, 21.6188,
3.0213)**

Conversions

Conversions Part 1

Format	Color
Hex	D85811
RGB	216, 88, 17
RGB Percent	85%, 35%, 7%
CMY	0.1529, 0.6549, 0.9333
CMYK	0.00, 0.59, 0.92, 0.15
HSL	21°, 85%, 46%
HSV	21°, 92%, 85%
XYZ	31.9098, 21.6188, 3.0213
YIQ	118.1780, 99.0790, 5.0550

Conversions

Conversions Part 2

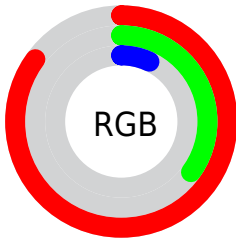
Format	Color
RYB	216, 127, 17
Decimal	14178321
CIELab	53.62, 47.42, 59.49
CIELCh	54, 76.074, 51.439
Yxy	21.6188, 0.5643, 0.3823
Android (android.graphics.Color)	4292368401 (0xFFD85811)
YUV	118.1780, -49.8808, 85.7899
Hunter-Lab	46.4960, 41.1349, 28.6946

Details

The XYZ color **31.9098, 21.6188, 3.0213** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **22.7503, 25.3261, 68.6546**, and the grayscale version is **17.4064, 18.3129, 19.9427**.

A 20% lighter version of the original color is **52.0827, 41.0739, 11.3139**, and **13.6807, 7.8600, 0.7961** is the 20% darker color. If you saturate the color by 10%, you get **30.9776, 19.9167, 2.2116**, and if you desaturate by 10%, it is **33.4200, 24.2259, 4.7998**.

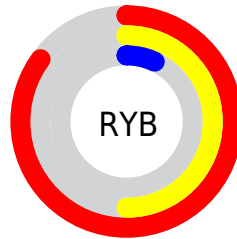
Distribution



Red (85%)

Green (35%)

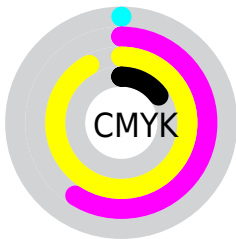
Blue (7%)



Red (85%)

Yellow (50%)

Blue (7%)

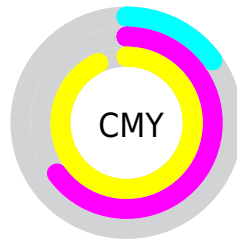


Cyan (0%)

Magenta (59%)

Yellow (92%)

Black (15%)



Cyan (15%)


Magenta (65%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9098, 21.6188, 3.0213 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 31.9098, 21.6188, 3.0213 by changing the saturation by 10% instead.


 31.9098, 21.6188,
3.0213


 31.9098, 21.6188,
3.0213


302.4608,
260.5490, 136.6314

 21.4478, 13.5771,
1.1055


 62.0358, 46.1151,
11.6810


 13.5661, 7.8271,
0.0000


 82.4305, 63.3385,
19.2619


 7.8992, 3.9845,
0.0000


 106.8669, 84.3913,
29.5683

 4.0817, 1.6649,
0.0000

 135.7103,
109.6578, 43.0188

 1.7485, 0.4008,
0.0000

 169.3260,
139.5224, 60.0318


 0.4863, 0.0000,
0.0000


 208.0794,


 0.0000, 0.0000,


174.3696, 81.0258


0.0000


 252.3359,
214.5836, 106.4196


 31.9098, 21.6188,
3.0213


 31.9098, 21.6188,
3.0213


 30.9776, 19.9167,
2.2116

 33.4200, 24.2259,
4.7998

 35.3613, 27.3704,
7.7224

 37.7751, 31.0869,
11.9527

 40.6967, 35.4053,
17.6271

 44.1574, 40.3534,
24.8644

■ 48.1858, 45.9566,
33.7712

■ 52.8082, 52.2391,
44.4445

■ 58.0492, 59.2237,
56.9737

■ 63.9320, 66.9320,
71.4422

Harmonies

Analogous

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



38.7964, 21.6188, 10.6777



31.9098, 21.6188, 3.0213



22.9634, 21.6188, 1.2244

Triad

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



31.9098, 21.6188, 3.0213



8.6450, 21.6188, 17.4853



26.8054, 21.6188, 94.6057

Complementary

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



31.9098, 21.6188, 3.0213



22.7503, 25.3261, 68.6546

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.



18.3083, 21.6188, 101.3259



31.9098, 21.6188, 3.0213



9.1644, 21.6188, 43.9793

Square

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



31.9098, 21.6188, 3.0213



10.5906, 21.6188, 5.2110



12.2650, 21.6188, 78.7430



35.3499, 21.6188, 63.9107

Rectangle

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



31.9098, 21.6188, 3.0213



17.6021, 21.6188, 1.2796



12.2650, 21.6188, 78.7430



23.8056, 21.6188, 100.2968

Sweetspot

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



31.9103, 21.6200, 3.0217



72.6691, 70.3425, 54.8753



33.7348, 17.0861, 28.8572



14.9538, 14.2342, 10.3777



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.



31.9103, 21.6200, 3.0217



44.9801, 28.7401, 3.1767



46.0104, 49.8203, 7.7217



12.7822, 13.1387, 13.0230



18.4286, 11.9745, 1.3400



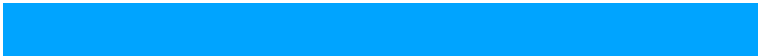
1.1885, 0.8762, 0.1065

Inverse Universe

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



22.7503, 25.3261, 68.6546



31.3276, 33.7752, 99.4759



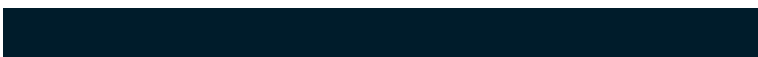
13.6364, 7.0983, 65.6167



12.4021, 13.3276, 15.8563



12.9003, 14.0623, 40.4875



0.8550, 1.0019, 2.4676

Previews

White Background



This preview shows how the XYZ color 31.9098, 21.6188, 3.0213 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 31.9098, 21.6188, 3.0213 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 31.9098, 21.6188, 3.0213

Background



This preview shows how black text looks on a background with the XYZ color 31.9098, 21.6188, 3.0213.



This preview shows how white text looks on a background with the XYZ color 31.9098, 21.6188,

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

31.9098, 21.6188, 3.0213

Protanopia

19.7369, 21.8041, 4.2670

Deuteranopia

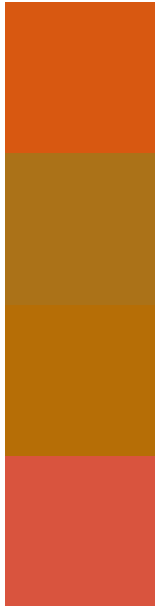
22.0638, 21.7056, 3.0267



Tritanopia

33.6510, 21.6281, 11.4179

Trichromacy



Original Color

31.9098, 21.6188, 3.0213

Protanomaly

22.9768, 20.7585, 3.6599

Deuteranomaly

24.9002, 21.1101, 2.9346

Tritanomaly

32.6551, 21.4402, 6.9747

Monochromacy



Original Color

31.9098, 21.6188, 3.0213

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

20.0693, 17.9795, 10.1972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9098, 21.6188, 3.0213 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(216, 88, 17)` looks like.

```
.text, #text, p{  
    color:rgb(216, 88, 17)  
}
```

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(216, 88, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 88, 17) }
```

Border

The CSS property to change the border of an element to XYZ 31.9098, 21.6188, 3.0213 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(216, 88, 17) }
```


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

```
.border{ border-color:rgb(216, 88, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 88, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 88, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 88, 17);  
box-shadow:4px 4px 4px 4px rgb(216, 88,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9098, 21.6188, 3.0213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 88, 17) }
```

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

```
.background{ background-color: rgb(216, 88,  
17) }
```

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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