

Converting Colors

XYZ(31.6025, 31.2162, 4.3597)

Have a look what the booklet for
XYZ(31.6025, 31.2162, 4.3597)
contains.

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Color

**XYZ(31.6113, 31.3272,
4.3807)**

Conversions

Conversions Part 1

Format	Color
Hex	BF9100
RGB	191, 145, 0
RGB Percent	75%, 57%, 0%
CMY	0.2510, 0.4314, 0.9999
CMYK	0.00, 0.24, 1.00, 0.25
HSL	46°, 100%, 37%
HSV	46°, 100%, 75%
XYZ	31.6113, 31.3272, 4.3807
YIQ	142.2240, 73.9610, -35.3430

Conversions

Conversions Part 2

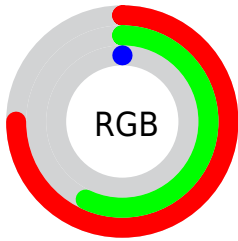
Format	Color
RYB	61, 191, 0
Decimal	12554496
CIELab	62.78, 6.84, 67.30
CIELCh	63, 67.648, 84.197
Yxy	31.3272, 0.4696, 0.4654
Android (android.graphics.Color)	4290744576 (0xFFBF9100)
YUV	142.2240, -70.1164, 42.7766
Hunter-Lab	55.9707, 2.8650, 34.5390

Details

The XYZ color **31.6113, 31.3272, 4.3807** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **10.3813, 5.7162, 49.8460**, and the grayscale version is **26.0500, 27.4067, 29.8459**.

A 20% lighter version of the original color is **61.7380, 62.0102, 14.8461**, and **13.6079, 13.0900, 1.8094** is the 20% darker color. If you saturate the color by 10%, you get **31.6114, 31.3278, 4.3808**, and if you desaturate by 10%, it is **32.4477, 32.8106, 5.2441**.

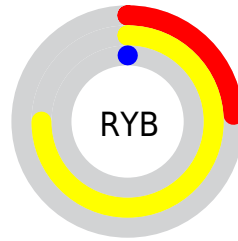
Distribution



Red (75%)

Green (57%)

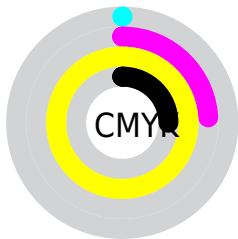
Blue (0%)



Red (24%)

Yellow (75%)

Blue (0%)

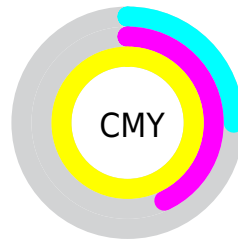


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (43%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6113, 31.3272, 4.3807 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 31.6113, 31.3272, 4.3807 by changing the saturation by 10% instead.


 31.6113, 31.3272,
4.3807


 31.6113, 31.3272,
4.3807


301.1216,
308.0429, 152.3673


 21.2189, 20.8481,
1.8364


 61.5705, 61.7549,
14.8787


 13.3975, 13.0130,
0.4518


 81.8681, 82.4722,
23.6694


 7.7817, 7.4375,
0.0000


 106.1981,
107.3711, 35.3795

 4.0062, 3.7372,
0.0000

 134.9258,
136.8360, 50.4273

 1.7056, 1.5277,
0.0000

 168.4167,
171.2512, 69.2314


 0.4598, 0.3081,
0.0000


 207.0360,


 0.0000, 0.0000,


211.0012, 92.2104


0.0000


 251.1492,
256.4703, 119.7829


 31.6113, 31.3272,
4.3807


 31.6113, 31.3272,
4.3807


 31.6114, 31.3278,
4.3808

 32.4477, 32.8106,
5.2441

 33.4284, 34.3965,
6.7291

 34.5966, 36.1039,
9.0573

 35.9737, 37.9420,
12.3405

 37.5780, 39.9186,
16.6736

■ 39.4257, 42.0406,
22.1398

■ 41.5311, 44.3142,
28.8139

■ 43.9077, 46.7453,
36.7645

■ 46.5676, 49.3393,
46.0548

Harmonies

Analogous

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



41.4458, 31.3272, 7.2246



31.6113, 31.3272, 4.3807



23.0613, 31.3272, 5.5440

Triad

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



31.6113, 31.3272, 4.3807



16.3150, 31.3272, 59.5520



46.6649, 31.3272, 73.4527

Complementary

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



31.6113, 31.3272, 4.3807



10.3813, 5.7162, 49.8460

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.



37.6808, 31.3272, 104.9094



31.6113, 31.3272, 4.3807



20.5317, 31.3272, 94.3845

Square

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



31.6113, 31.3272, 4.3807



15.3489, 31.3272, 29.2122



28.0123, 31.3272, 114.0813



51.2194, 31.3272, 39.5268

Rectangle

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



31.6113, 31.3272, 4.3807



19.0135, 31.3272, 9.0657



28.0123, 31.3272, 114.0813



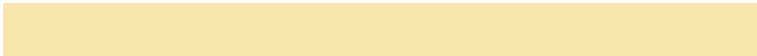
43.9832, 31.3272, 85.2463

Sweetspot

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



31.6120, 31.3288, 4.3813



74.1904, 79.1650, 50.9789



22.0144, 11.2880, 3.7889



15.9275, 16.9960, 10.0243



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.6120, 31.3288, 4.3813



56.4181, 55.7113, 7.7798



30.0023, 43.1236, 6.7428



10.1223, 10.7205, 10.1124



20.8398, 20.7184, 2.9007



0.8641, 0.9071, 0.1296

Inverse Universe

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



10.3813, 5.7162, 49.8460



18.4359, 9.9236, 89.2229



10.6117, 4.3844, 49.5768



9.1981, 9.5885, 12.0382



6.8757, 3.8630, 32.7762



0.3221, 0.2568, 1.3014

Previews

White Background



This preview shows how the XYZ color 31.6113, 31.3272, 4.3807 looks on a white background.

Color Contrast Check

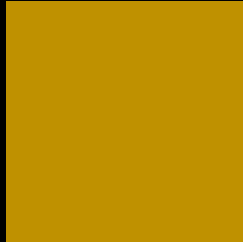
Large Text (above 18pt) WCAG AA × Fail

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 31.6113, 31.3272, 4.3807 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 31.6113, 31.3272, 4.3807

Background



This preview shows how black text looks on a background with the XYZ color 31.6113, 31.3272, 4.3807.



This preview shows how white text looks on a background with the XYZ color 31.6113, 31.3272,

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

31.6113, 31.3272, 4.3807

Protanopia

28.4593, 31.5750, 4.8818

Deuteranopia

31.9984, 31.2971, 4.5267



Tritanopia

37.0635, 31.3780, 30.8912

Trichromacy



Original Color

31.6113, 31.3272, 4.3807

Protanomaly

29.5296, 31.4095, 4.6786

Deuteranomaly

31.7334, 31.1618, 4.4572

Tritanomaly

33.6701, 30.8400, 14.3033

Monochromacy



Original Color

31.6113, 31.3272, 4.3807

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

26.1651, 27.8567, 13.6707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6113, 31.3272, 4.3807 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(191, 145, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 145, 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(191, 145, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 145, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.6113, 31.3272, 4.3807 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(191, 145, 0) }
```


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

```
.border{ border-color:rgb(191, 145, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 145, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 145, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 145, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 145,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6113, 31.3272, 4.3807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 145, 0) }
```

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

```
.background{ background-color: rgb(191,  
145, 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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