

Converting Colors

XYZ(31.5601, 32.6980, 4.6480)

Have a look what the booklet for
XYZ(31.5601, 32.6980, 4.6480)
contains.

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Color

**XYZ(31.5601, 32.6980,
4.6480)**

Conversions

Conversions Part 1

Format	Color
Hex	BB9700
RGB	187, 151, 0
RGB Percent	73%, 59%, 0%
CMY	0.2667, 0.4078, 0.9999
CMYK	0.00, 0.19, 1.00, 0.27
HSL	48°, 100%, 37%
HSV	48°, 100%, 73%
XYZ	31.5601, 32.6980, 4.6480
YIQ	144.5500, 69.9270, -39.3290

Conversions

Conversions Part 2

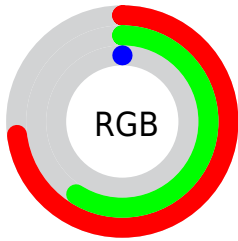
Format	Color
RYB	45, 187, 0
Decimal	12293888
CIELab	63.92, 1.77, 67.89
CIELCh	64, 67.911, 88.506
Yxy	32.6980, 0.4580, 0.4745
Android (android.graphics.Color)	4290483968 (0xFFBB9700)
YUV	144.5500, -71.2632, 37.2286
Hunter-Lab	57.1822, -1.5507, 35.2082

Details

The XYZ color **31.5601, 32.6980, 4.6480** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **9.6009, 4.8502, 47.4434**, and the grayscale version is **26.9923, 28.3980, 30.9254**.

A 20% lighter version of the original color is **61.3917, 63.9178, 15.4050**, and **13.7069, 13.9745, 1.9749** is the 20% darker color. If you saturate the color by 10%, you get **31.5603, 32.6987, 4.6481**, and if you desaturate by 10%, it is **32.2641, 33.9221, 5.4505**.

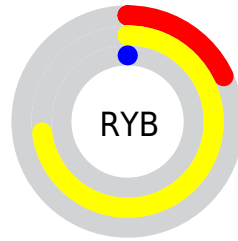
Distribution



Red (73%)

Green (59%)

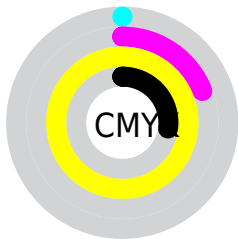
Blue (0%)



Red (18%)

Yellow (73%)

Blue (0%)

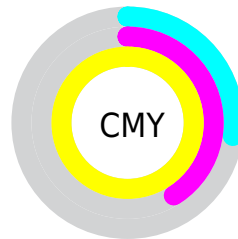


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (41%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5601, 32.6980, 4.6480 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 31.5601, 32.6980, 4.6480 by changing the saturation by 10% instead.


 31.5601, 32.6980,
4.6480


 31.5601, 32.6980,
4.6480


300.8915,
314.2867, 155.1765

 21.1796, 21.8952,
1.9872


 61.4907, 63.9037,
15.4786


 13.3686, 13.7799,
0.5474


 81.7715, 85.0755,
24.4855

 7.7616, 7.9677,
0.0000


 106.0832,
110.4723, 36.4448

 3.9933, 4.0743,
0.0000

 134.7910,
140.4786, 51.7750

 1.6983, 1.7152,
0.0000

 168.2604,
175.4788, 70.8948

 0.4552, 0.4335,
0.0000

 206.8567,

 0.0000, 0.0000,

215.8573, 94.2226

0.0000

250.9453,
261.9985, 122.1770

31.5601, 32.6980,
4.6480

31.5601, 32.6980,
4.6480

31.5603, 32.6987,
4.6481

32.2641, 33.9221,
5.4505

33.0956, 35.2244,
6.8392

34.0958, 36.6231,
9.0280

35.2851, 38.1264,
12.1227

36.6806, 39.7414,
16.2133

■ 38.2975, 41.4745,
21.3787

■ 40.1494, 43.3314,
27.6899

■ 42.2487, 45.3171,
35.2117

■ 44.6071, 47.4367,
44.0044

Harmonies

Analogous

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



41.7038, 32.6980, 6.9368



31.5601, 32.6980, 4.6480



23.1055, 32.6980, 6.4857

Triad

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



31.5601, 32.6980, 4.6480



17.5625, 32.6980, 67.0995



49.5346, 32.6980, 70.7919

Complementary

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



31.5601, 32.6980, 4.6480



9.6009, 4.8502, 47.4434

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.



40.7023, 32.6980, 104.7918



31.5601, 32.6980, 4.6480



22.4310, 32.6980, 101.9985

Square

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



31.5601, 32.6980, 4.6480



16.0870, 32.6980, 34.2478



30.6018, 32.6980, 118.4138



53.3127, 32.6980, 36.9926

Rectangle

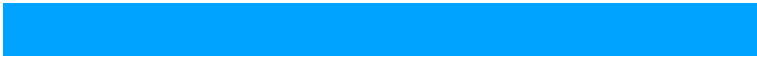
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.5601, 32.6980, 4.6480



19.2435, 32.6980, 10.8744



30.6018, 32.6980, 118.4138



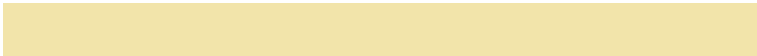
46.9797, 32.6980, 83.1091

Sweetspot

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



31.5608, 32.6996, 4.6486



71.7344, 77.4379, 48.9860



20.8339, 10.7012, 2.7518



15.4781, 16.7378, 9.6860



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.5608, 32.6996, 4.6486



56.3576, 58.2291, 8.2690



27.1154, 40.3579, 6.3611



10.1619, 10.7999, 10.1256



21.7959, 22.6307, 3.2194



0.8946, 0.9680, 0.1397

Inverse Universe

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



9.6009, 4.8502, 47.4434



17.0665, 8.4296, 84.9290



10.6067, 4.4321, 47.3097



9.1612, 9.5147, 12.0259



6.6555, 3.4227, 32.7028



0.3060, 0.2247, 1.2961

Previews

White Background



This preview shows how the XYZ color 31.5601, 32.6980, 4.6480 looks on a white background.

Color Contrast Check

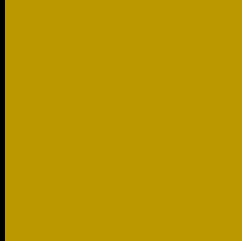
Large Text (above 18pt) WCAG AA × Fail

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 31.5601, 32.6980, 4.6480 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 31.5601, 32.6980, 4.6480

Background



This preview shows how black text looks on a background with the XYZ color 31.5601, 32.6980, 4.6480.



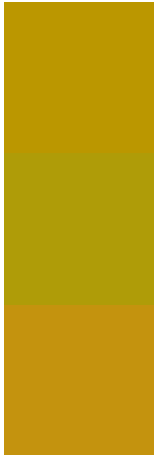
This preview shows how white text looks on a background with the XYZ color 31.5601, 32.6980,

4.6480.

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

31.5601, 32.6980, 4.6480

Protanopia

29.6115, 32.9084, 5.0210

Deuteranopia

33.2779, 32.6349, 4.9607



Tritanopia

37.4697, 32.5926, 33.5943

Trichromacy



Original Color

31.5601, 32.6980, 4.6480

Protanomaly

30.1734, 32.7059, 4.8661

Deuteranomaly

32.6315, 32.5370, 4.8188

Tritanomaly

33.8228, 31.9975, 15.4598

Monochromacy



Original Color

31.5601, 32.6980, 4.6480

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.8627, 29.1137, 14.3289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5601, 32.6980, 4.6480 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(187, 151, 0)` looks like.

```
.text, #text, p{  
    color:rgb(187, 151, 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(187, 151, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 151, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.5601, 32.6980, 4.6480 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(187, 151, 0) }
```


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

```
.border{ border-color:rgb(187, 151, 0) }
```

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

Here you see how a box with a 4 pixel rgb(187, 151, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 151, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 151, 0);  
box-shadow:4px 4px 4px 4px rgb(187, 151,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5601, 32.6980, 4.6480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 151, 0) }
```

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

```
.background{ background-color: rgb(187,  
151, 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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