

Converting Colors

XYZ(29.5018, 30.8262, 4.3951)

Have a look what the booklet for
XYZ(29.5018, 30.8262, 4.3951)
contains.

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Color

**XYZ(29.6460, 31.0036,
4.4218)**

Conversions

Conversions Part 1

Format	Color
Hex	B59400
RGB	181, 148, 0
RGB Percent	71%, 58%, 0%
CMY	0.2902, 0.4196, 0.9999
CMYK	0.00, 0.18, 1.00, 0.29
HSL	49°, 100%, 35%
HSV	49°, 100%, 71%
XYZ	29.6460, 31.0036, 4.4218
YIQ	140.9950, 67.1760, -39.0320

Conversions

Conversions Part 2

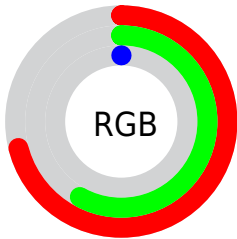
Format	Color
RYB	40, 181, 0
Decimal	11899904
CIELab	62.51, 0.68, 66.62
CIELCh	63, 66.621, 89.415
Yxy	31.0036, 0.4556, 0.4765
Android (android.graphics.Color)	4290089984 (0xFFB59400)
YUV	140.9950, -69.5105, 35.0844
Hunter-Lab	55.6809, -2.4033, 34.2682

Details

The XYZ color **29.6460, 31.0036, 4.4218** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **8.8847, 4.4244, 44.1015**, and the grayscale version is **25.5625, 26.8937, 29.2872**.

A 20% lighter version of the original color is **58.5988, 61.4229, 15.0706**, and **12.5361, 12.9463, 1.8382** is the 20% darker color. If you saturate the color by 10%, you get **29.6463, 31.0044, 4.4219**, and if you desaturate by 10%, it is **30.2817, 32.0992, 5.1769**.

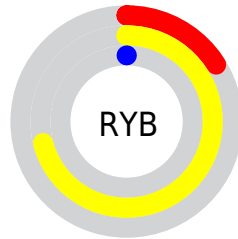
Distribution



Red (71%)

Green (58%)

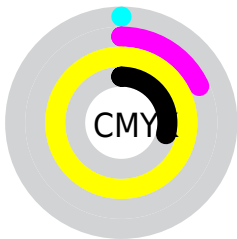
Blue (0%)



Red (16%)

Yellow (71%)

Blue (0%)

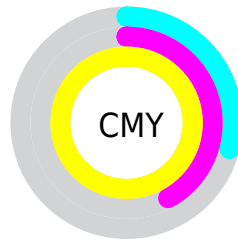


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6460, 31.0036, 4.4218 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 29.6460, 31.0036, 4.4218 by changing the saturation by 10% instead.


 29.6460, 31.0036,
4.4218

 29.6460, 31.0036,
4.4218


292.1904,
306.5549, 152.8043


 19.7168, 20.6016,
1.8595

 58.4924, 61.2457,
14.9714

 12.2964, 12.8331,
0.4668


 78.1402, 81.8547,
23.7958

 7.0195, 7.3137,
0.0000


 101.7584,
106.6347, 35.5447

 3.5207, 3.6591,
0.0000

 129.7121,
135.9702, 50.6365

 1.4348, 1.4847,
0.0000

 162.3668,
170.2455, 69.4898


 0.2808, 0.2779,
0.0000


 200.0879,


 0.0000, 0.0000,


209.8452, 92.5232


0.0000


 243.2406,
255.1535, 120.1551


 29.6460, 31.0036,
4.4218


 29.6460, 31.0036,
4.4218


 29.6463, 31.0044,
4.4219

 30.2817, 32.0992,
5.1769

 31.0332, 33.2636,
6.4710

 31.9397, 34.5140,
8.5071

 33.0196, 35.8580,
11.3827

 34.2890, 37.3021,
15.1804

■ 35.7617, 38.8521,
19.9732

■ 37.4503, 40.5132,
25.8265

■ 39.3662, 42.2901,
32.8003

■ 41.5201, 44.1873,
40.9498

Harmonies

Analogous

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



39.2399, 31.0036, 6.4614



29.6460, 31.0036, 4.4218



21.7202, 31.0036, 6.2939

Triad

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



29.6460, 31.0036, 4.4218



16.7590, 31.0036, 64.6314



47.1332, 31.0036, 65.9997

Complementary

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



29.6460, 31.0036, 4.4218



8.8847, 4.4244, 44.1015

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.



38.8687, 31.0036, 98.4494



29.6460, 31.0036, 4.4218



21.4701, 31.0036, 97.4145

Square

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



29.6460, 31.0036, 4.4218



15.2661, 31.0036, 33.2514



29.2907, 31.0036, 112.1509



50.5216, 31.0036, 34.2690

Rectangle

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



29.6460, 31.0036, 4.4218



18.1284, 31.0036, 10.6055



29.2907, 31.0036, 112.1509



44.7598, 31.0036, 77.6753

Sweetspot

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



29.6467, 31.0051, 4.4224



66.9099, 72.4026, 45.6748



19.3333, 9.9349, 2.3518



14.1820, 15.3778, 8.8903



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



29.6467, 31.0051, 4.4224



52.9417, 55.2196, 7.8681



24.7908, 37.3094, 5.8952



9.0627, 9.6379, 9.0352



20.4841, 21.4668, 3.0639



0.6788, 0.7440, 0.1078

Inverse Universe

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



8.8847, 4.4244, 44.1015



15.7931, 7.6860, 78.9458



10.0465, 4.2159, 44.0000



8.1631, 8.4725, 10.7114



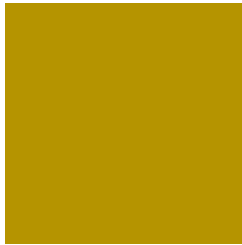
6.1625, 3.1253, 30.4154



0.2314, 0.1733, 0.9695

Previews

White Background



This preview shows how the XYZ color 29.6460, 31.0036, 4.4218 looks on a white background.

Color Contrast Check

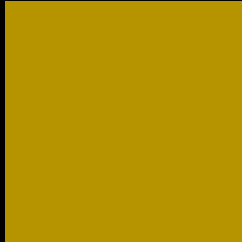
Large Text (above 18pt) WCAG AA × Fail

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 29.6460, 31.0036, 4.4218 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 29.6460, 31.0036, 4.4218

Background



This preview shows how black text looks on a background with the XYZ color 29.6460, 31.0036, 4.4218.



This preview shows how white text looks on a background with the XYZ color 29.6460, 31.0036,

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

29.6460, 31.0036, 4.4218

Protanopia

28.0612, 31.1297, 4.7307

Deuteranopia

31.5384, 31.0546, 4.7473



Tritanopia

35.4200, 31.1339, 32.1596

Trichromacy



Original Color

29.6460, 31.0036, 4.4218

Protanomaly

28.7677, 31.2559, 4.6316

Deuteranomaly

30.6682, 30.8353, 4.5939

Tritanomaly

31.9431, 30.5933, 14.8112

Monochromacy



Original Color

29.6460, 31.0036, 4.4218

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.5290, 27.7526, 13.6841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6460, 31.0036, 4.4218 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(181, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 148, 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(181, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 148, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.6460, 31.0036, 4.4218 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(181, 148, 0) }
```


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

```
.border{ border-color:rgb(181, 148, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 148, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 148, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 148, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 148,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6460, 31.0036, 4.4218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 148, 0) }
```

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

```
.background{ background-color: rgb(181,  
148, 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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