

Converting Colors

XYZ(29.7469, 31.1881, 4.4521)

Have a look what the booklet for
XYZ(29.7469, 31.1881, 4.4521)
contains.

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Color

**XYZ(29.8035, 31.3186,
4.4743)**

Conversions

Conversions Part 1

Format	Color
Hex	B59500
RGB	181, 149, 0
RGB Percent	71%, 58%, 0%
CMY	0.2902, 0.4157, 0.9999
CMYK	0.00, 0.18, 1.00, 0.29
HSL	49°, 100%, 35%
HSV	49°, 100%, 71%
XYZ	29.8035, 31.3186, 4.4743
YIQ	141.5820, 66.9010, -39.5550

Conversions

Conversions Part 2

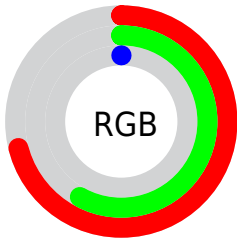
Format	Color
RYB	39, 181, 0
Decimal	11900160
CIELab	62.78, 0.14, 66.80
CIELCh	63, 66.804, 89.882
Yxy	31.3186, 0.4543, 0.4774
Android (android.graphics.Color)	4290090240 (0xFFB59500)
YUV	141.5820, -69.7999, 34.5696
Hunter-Lab	55.9630, -2.8739, 34.4338

Details

The XYZ color **29.8035, 31.3186, 4.4743** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **8.8573, 4.3697, 44.0924**, and the grayscale version is **25.7956, 27.1389, 29.5543**.

A 20% lighter version of the original color is **58.8342, 61.8937, 15.1491**, and **12.6302, 13.1346, 1.8696** is the 20% darker color. If you saturate the color by 10%, you get **29.8038, 31.3194, 4.4744**, and if you desaturate by 10%, it is **30.4275, 32.3906, 5.2254**.

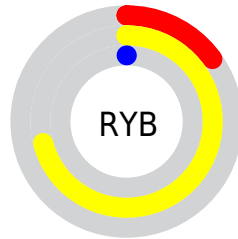
Distribution



Red (71%)

Green (58%)

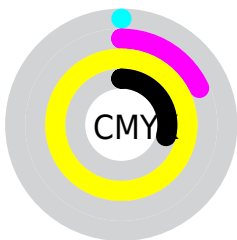
Blue (0%)



Red (15%)

Yellow (71%)

Blue (0%)

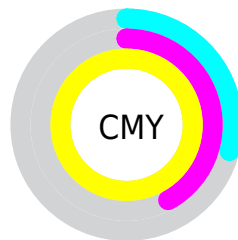


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8035, 31.3186, 4.4743 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 29.8035, 31.3186, 4.4743 by changing the saturation by 10% instead.


 29.8035, 31.3186,
4.4743


 29.8035, 31.3186,
4.4743


292.9137,
308.0034, 153.3597


 19.8368, 20.8416,
1.8890


 58.7401, 61.7413,
15.0897


 12.3841, 13.0082,
0.4857


 78.4406, 82.4558,
23.9568

 7.0799, 7.4342,
0.0000


 102.1165,
107.3516, 35.7549

 3.5589, 3.7351,
0.0000

 130.1332,
136.8130, 50.9026

 1.4557, 1.5265,
0.0000

 162.8558,
171.2245, 69.8184

 0.2954, 0.3073,
0.0000


 200.6499,


 0.0000, 0.0000,


210.9705, 92.9208


0.0000


 243.8808,
256.4353, 120.6284


 29.8035, 31.3186,
4.4743

 29.8035, 31.3186,
4.4743


 29.8038, 31.3194,
4.4744

 30.4275, 32.3906,
5.2254

 31.1664, 33.5298,
6.5154

 32.0593, 34.7532,
8.5470

 33.1249, 36.0685,
11.4178

 34.3790, 37.4821,
15.2105

■ 35.8356, 38.9998,
19.9979

■ 37.5071, 40.6267,
25.8455

■ 39.4050, 42.3676,
32.8133

■ 41.5400, 44.2270,
40.9565

Harmonies

Analogous

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



39.4824, 31.3186, 6.4675



29.8035, 31.3186, 4.4743



21.8439, 31.3186, 6.4334

Triad

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



29.8035, 31.3186, 4.4743



16.9846, 31.3186, 65.8151



47.6980, 31.3186, 66.0930

Complementary

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



29.8035, 31.3186, 4.4743



8.8573, 4.3697, 44.0924

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.



39.4069, 31.3186, 98.9795



29.8035, 31.3186, 4.4743



21.7931, 31.3186, 98.7693

Square

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



29.8035, 31.3186, 4.4743



15.4279, 31.3186, 33.9974



29.7313, 31.3186, 113.2250



51.0202, 31.3186, 34.2041

Rectangle

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



29.8035, 31.3186, 4.4743



18.2517, 31.3186, 10.8681



29.7313, 31.3186, 113.2250



45.3260, 31.3186, 77.8848

Sweetspot

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



29.8042, 31.3201, 4.4749



67.0131, 72.6091, 45.7092



19.3333, 9.9349, 2.3518



14.2071, 15.4280, 8.8986



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.



29.8042, 31.3201, 4.4749



53.2272, 55.7905, 7.9633



24.7909, 37.3094, 5.8952



9.0667, 9.6460, 9.0365



20.5917, 21.6819, 3.0997



0.6814, 0.7491, 0.1087

Inverse Universe

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



8.8573, 4.3697, 44.0924



15.7470, 7.5938, 78.9304



10.0465, 4.2159, 44.0000



8.1594, 8.4651, 10.7102



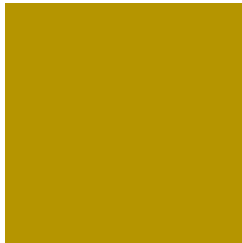
6.1428, 3.0859, 30.4089



0.2298, 0.1702, 0.9690

Previews

White Background



This preview shows how the XYZ color 29.8035, 31.3186, 4.4743 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 29.8035, 31.3186, 4.4743 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 29.8035, 31.3186, 4.4743

Background



This preview shows how black text looks on a background with the XYZ color 29.8035, 31.3186, 4.4743.



This preview shows how white text looks on a background with the XYZ color 29.8035, 31.3186,

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

29.8035, 31.3186, 4.4743

Protanopia

28.4428, 31.5685, 4.7952

Deuteranopia

31.7977, 31.1875, 4.7958



Tritanopia

35.4996, 31.1657, 32.5783

Trichromacy



Original Color

29.8035, 31.3186, 4.4743

Protanomaly

28.9293, 31.5792, 4.6855

Deuteranomaly

31.0727, 31.2710, 4.6854

Tritanomaly

31.9883, 30.6113, 15.0491

Monochromacy



Original Color

29.8035, 31.3186, 4.4743

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.6812, 28.0569, 13.7348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8035, 31.3186, 4.4743 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, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 149, 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, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 149, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.8035, 31.3186, 4.4743 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, 149, 0) }
```


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

```
.border{ border-color:rgb(181, 149, 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, 149, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 149,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8035, 31.3186, 4.4743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 149, 0) }
```

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

```
.background{ background-color: rgb(181,  
149, 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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