

Converting Colors

XYZ(30.3945, 31.3048, 4.4405)

Have a look what the booklet for
XYZ(30.3945, 31.3048, 4.4405)
contains.

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Color

**XYZ(30.3571, 31.3702,
4.4551)**

Conversions

Conversions Part 1

Format	Color
Hex	B89400
RGB	184, 148, 0
RGB Percent	72%, 58%, 0%
CMY	0.2784, 0.4196, 0.9999
CMYK	0.00, 0.20, 1.00, 0.28
HSL	48°, 100%, 36%
HSV	48°, 100%, 72%
XYZ	30.3571, 31.3702, 4.4551
YIQ	141.8920, 68.9640, -38.3960

Conversions

Conversions Part 2

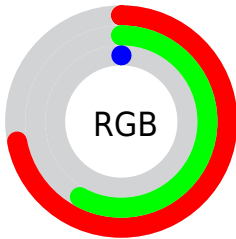
Format	Color
R _Y B	45, 184, 0
Decimal	12096512
CIE Lab	62.82, 2.04, 66.98
CIE LCh	63, 67.008, 88.254
Yxy	31.3702, 0.4587, 0.4740
Android (android.graphics.Color)	4290286592 (0xFFB89400)
YUV	141.8920, -69.9528, 36.9287
Hunter-Lab	56.0091, -1.2684, 34.4903

Details

The XYZ color **30.3571, 31.3702, 4.4551** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **9.2829, 4.7230, 45.7694**, and the grayscale version is **25.9187, 27.2685, 29.6954**.

A 20% lighter version of the original color is **59.6314, 61.9552, 15.1190**, and **12.9719, 13.1710, 1.8586** is the 20% darker color. If you saturate the color by 10%, you get **30.3573, 31.3709, 4.4552**, and if you desaturate by 10%, it is **31.0438, 32.5637, 5.2394**.

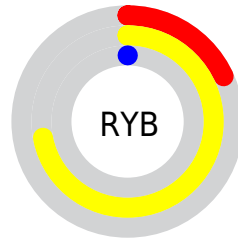
Distribution



Red (72%)

Green (58%)

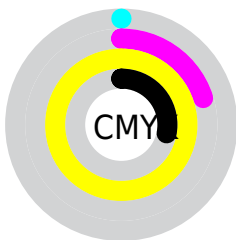
Blue (0%)



Red (18%)

Yellow (72%)

Blue (0%)

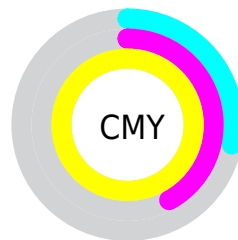


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3571, 31.3702, 4.4551 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 30.3571, 31.3702, 4.4551 by changing the saturation by 10% instead.


 30.3571, 31.3702,
4.4551


 30.3571, 31.3702,
4.4551


295.4455,
308.2402, 153.1569


 20.2592, 20.8809,
1.8782


 59.6092, 61.8224,
15.0465


 12.6930, 13.0370,
0.4788


 79.4941, 82.5542,
23.8980

 7.2930, 7.4540,
0.0000


 103.3721,
107.4689, 35.6781

 3.6940, 3.7476,
0.0000

 131.6086,
136.9509, 50.8054

 1.5305, 1.5334,
0.0000

 164.5687,
171.3846, 69.6984


 0.3464, 0.3121,
0.0000


 202.6181,


 0.0000, 0.0000,


211.1545, 92.7756


0.0000


 246.1219,
256.6449, 120.4556


 30.3571, 31.3702,
4.4551


 30.3571, 31.3702,
4.4551


 30.3573, 31.3709,
4.4552

 31.0438, 32.5637,
5.2394

 31.8534, 33.8335,
6.5866

 32.8262, 35.1971,
8.7049

 33.9816, 36.6627,
11.6960

 35.3362, 38.2369,
15.6463

■ 36.9045, 39.9260,
20.6315

■ 38.6996, 41.7353,
26.7198

■ 40.7334, 43.6699,
33.9737

■ 43.0171, 45.7344,
42.4509

Harmonies

Analogous

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



40.0957, 31.3702, 6.6879



30.3571, 31.3702, 4.4551



22.2202, 31.3702, 6.1822

Triad

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



30.3571, 31.3702, 4.4551



16.8194, 31.3702, 64.0934



47.4767, 31.3702, 68.2352

Complementary

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



30.3571, 31.3702, 4.4551



9.2829, 4.7230, 45.7694

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.



38.9723, 31.3702, 100.7939



30.3571, 31.3702, 4.4551



21.4638, 31.3702, 97.6604

Square

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



30.3571, 31.3702, 4.4551



15.4301, 31.3702, 32.6407



29.2822, 31.3702, 113.6412



51.1559, 31.3702, 35.7192

Rectangle

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



30.3571, 31.3702, 4.4551



18.4952, 31.3702, 10.3510



29.2822, 31.3702, 113.6412



45.0119, 31.3702, 80.0529

Sweetspot

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



30.3578, 31.3717, 4.4557



69.9781, 75.4848, 47.8251



20.0981, 10.3229, 2.6680



14.7832, 15.9724, 9.2703



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



30.3578, 31.3717, 4.4557



54.8606, 56.5271, 8.0194



26.1639, 38.9325, 6.1361



9.5969, 10.1967, 9.5693



20.9721, 21.7205, 3.0871



0.7780, 0.8431, 0.1217

Inverse Universe

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



9.2829, 4.7230, 45.7694



16.6959, 8.2980, 82.9263



10.2388, 4.2791, 45.6333



8.6596, 8.9964, 11.3595



6.4380, 3.3356, 31.5576



0.2698, 0.2032, 1.1268

Previews

White Background



This preview shows how the XYZ color 30.3571, 31.3702, 4.4551 looks on a white background.

Color Contrast Check

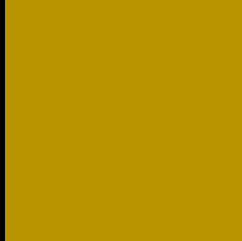
Large Text (above 18pt) WCAG AA × Fail

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 30.3571, 31.3702, 4.4551 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 30.3571, 31.3702, 4.4551

Background



This preview shows how black text looks on a background with the XYZ color 30.3571, 31.3702, 4.4551.



This preview shows how white text looks on a background with the XYZ color 30.3571, 31.3702,

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

30.3571, 31.3702, 4.4551

Protanopia

28.4483, 31.5707, 4.8241

Deuteranopia

31.7841, 31.1820, 4.7243



Tritanopia

36.1720, 31.5215, 32.1948

Trichromacy



Original Color

30.3571, 31.3702, 4.4551

Protanomaly

28.9985, 31.3743, 4.6710

Deuteranomaly

31.1555, 31.0871, 4.5881

Tritanomaly

32.6796, 30.9730, 14.8457

Monochromacy



Original Color

30.3571, 31.3702, 4.4551

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.7233, 27.8528, 13.6932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3571, 31.3702, 4.4551 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(184, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 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(184, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 148, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.3571, 31.3702, 4.4551 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(184, 148, 0) }
```


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

```
.border{ border-color:rgb(184, 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(184, 148, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 148, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 148, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 148,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3571, 31.3702, 4.4551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 148, 0) }
```

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

```
.background{ background-color: rgb(184,  
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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