

Converting Colors

XYZ(30.5165, 29.0442, 3.9977)

Have a look what the booklet for
XYZ(30.5165, 29.0442, 3.9977)
contains.

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Color

**XYZ(30.4315, 28.9677,
3.9874)**

Conversions

Conversions Part 1

Format	Color
Hex	BF8900
RGB	191, 137, 0
RGB Percent	75%, 54%, 0%
CMY	0.2510, 0.4627, 1.0000
CMYK	0.00, 0.28, 1.00, 0.25
HSL	43°, 100%, 37%
HSV	43°, 100%, 75%
XYZ	30.4315, 28.9677, 3.9874
YIQ	137.5280, 76.1610, -31.1590

Conversions

Conversions Part 2

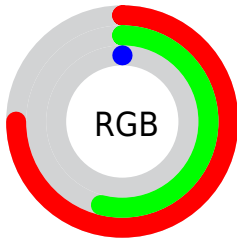
Format	Color
R_{YB}	75, 191, 0
Decimal	12552448
CIE Lab	60.75, 11.22, 65.92
CIE LCh	61, 66.866, 80.336
Yxy	28.9677, 0.4801, 0.4570
Android (android.graphics.Color)	4290742528 (0xFFBF8900)
YUV	137.5280, -67.8013, 46.8949
Hunter-Lab	53.8216, 6.7385, 33.2826

Details

The XYZ color **30.4315, 28.9677, 3.9874** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **10.7233, 6.4003, 49.9599**, and the grayscale version is **24.2083, 25.4690, 27.7358**.

A 20% lighter version of the original color is **59.6957, 57.9773, 14.0057**, and **12.9239, 11.7219, 1.5814** is the 20% darker color. If you saturate the color by 10%, you get **30.4317, 28.9683, 3.9875**, and if you desaturate by 10%, it is **31.3375, 30.5904, 4.8739**.

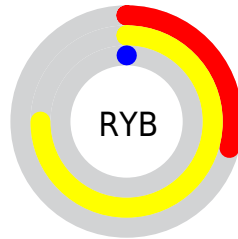
Distribution



Red (75%)

Green (54%)

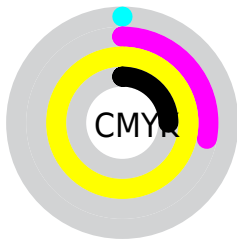
Blue (0%)



Red (29%)

Yellow (75%)

Blue (0%)

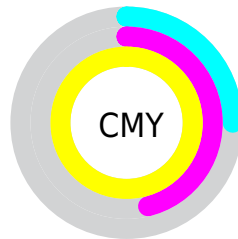


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4315, 28.9677, 3.9874 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 30.4315, 28.9677, 3.9874 by changing the saturation by 10% instead.


 30.4315, 28.9677,
3.9874


 30.4315, 28.9677,
3.9874


295.7845,
297.0625, 148.0852


 20.3160, 19.0564,
1.6184


 59.7259, 58.0258,
13.9807


 12.7346, 11.7110,
0.3039


 79.6355, 77.9413,
22.4421

 7.3218, 6.5472,
0.0000


 103.5405,
101.9604, 33.7714

 3.7122, 3.1806,
0.0000

 131.8063,
130.4674, 48.3871

 1.5407, 1.2267,
0.0000

 164.7983,
163.8467, 66.7078


 0.3533, 0.0834,
0.0000


 202.8817,


 0.0000, 0.0000,


202.4827, 89.1521


0.0000


 246.4220,
246.7599, 116.1383


 30.4315, 28.9677,
3.9874


 30.4315, 28.9677,
3.9874

 30.4317, 28.9683,
3.9875

 31.3375, 30.5904,
4.8739

 32.3982, 32.3362,
6.3855

 33.6566, 34.2242,
8.7436

 35.1346, 36.2641,
12.0603

 36.8506, 38.4640,
16.4304

■ 38.8209, 40.8314,
21.9373

■ 41.0602, 43.3727,
28.6558

■ 43.5819, 46.0943,
36.6546

■ 46.3986, 49.0018,
45.9969

Harmonies

Analogous

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



39.6224, 28.9677, 7.1955



30.4315, 28.9677, 3.9874



22.1291, 28.9677, 4.5957

Triad

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



30.4315, 28.9677, 3.9874



14.6584, 28.9677, 51.2452



42.4875, 28.9677, 72.9582

Complementary

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



30.4315, 28.9677, 3.9874



10.7233, 6.4003, 49.9599

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.



33.7517, 28.9677, 100.9672



30.4315, 28.9677, 3.9874



18.1928, 28.9677, 84.5185

Square

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



30.4315, 28.9677, 3.9874



14.1368, 28.9677, 24.1765



24.8245, 28.9677, 106.0495



47.4872, 28.9677, 40.2668

Rectangle

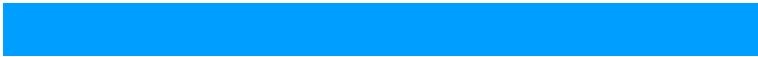
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.4315, 28.9677, 3.9874



18.0791, 28.9677, 7.3310



24.8245, 28.9677, 106.0495



39.8140, 28.9677, 83.8246

Sweetspot

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



30.4321, 28.9692, 3.9879



73.3358, 77.4558, 50.6940



22.1545, 11.3440, 4.5272



15.7169, 16.5748, 9.9541



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.



30.4321, 28.9692, 3.9879



54.2871, 51.4494, 7.0695



31.1382, 43.7091, 6.7958



10.0881, 10.6522, 10.1010



20.0706, 19.1799, 2.6443



0.8390, 0.8570, 0.1212

Inverse Universe

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



10.7233, 6.4003, 49.9599



19.0282, 11.1083, 89.4203



10.3341, 4.2413, 49.5637



9.2303, 9.6528, 12.0489



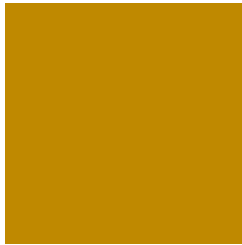
7.1070, 4.3257, 32.8533



0.3360, 0.2846, 1.3061

Previews

White Background



This preview shows how the XYZ color 30.4315, 28.9677, 3.9874 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 30.4315, 28.9677, 3.9874 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.4315, 28.9677, 3.9874

Background



This preview shows how black text looks on a background with the XYZ color 30.4315, 28.9677, 3.9874.



This preview shows how white text looks on a background with the XYZ color 30.4315, 28.9677,

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

30.4315, 28.9677, 3.9874

Protanopia

26.2200, 28.9986, 4.5320

Deuteranopia

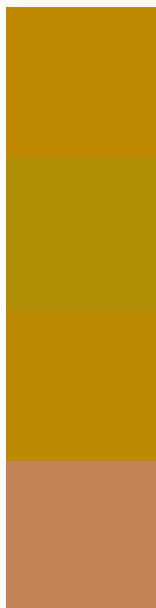
29.4823, 28.9043, 4.0252



Tritanopia

35.1307, 28.8552, 27.3849

Trichromacy



Original Color

30.4315, 28.9677, 3.9874

Protanomaly

27.5400, 28.7742, 4.3035

Deuteranomaly

29.8275, 28.8683, 4.0001

Tritanomaly

32.3423, 28.5228, 12.8177

Monochromacy



Original Color

30.4315, 28.9677, 3.9874

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.7546, 26.0496, 12.9559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4315, 28.9677, 3.9874 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, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 137, 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, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 137, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.4315, 28.9677, 3.9874 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, 137, 0) }
```


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

```
.border{ border-color:rgb(191, 137, 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, 137, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 137,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4315, 28.9677, 3.9874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 137, 0) }
```

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

```
.background{ background-color: rgb(191,  
137, 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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