

Converting Colors

XYZ(30.3409, 28.6930, 3.9392)

Have a look what the booklet for
XYZ(30.3409, 28.6930, 3.9392)
contains.

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Color

**XYZ(30.2900, 28.6847,
3.9402)**

Conversions

Conversions Part 1

Format	Color
Hex	BF8800
RGB	191, 136, 0
RGB Percent	75%, 53%, 0%
CMY	0.2510, 0.4666, 1.0000
CMYK	0.00, 0.29, 1.00, 0.25
HSL	43°, 100%, 37%
HSV	43°, 100%, 75%
XYZ	30.2900, 28.6847, 3.9402
YIQ	136.9410, 76.4360, -30.6360

Conversions

Conversions Part 2

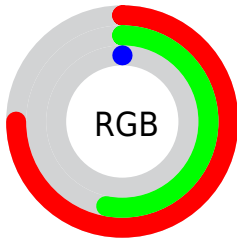
Format	Color
R_{YB}	77, 191, 0
Decimal	12552192
CIE _{Lab}	60.50, 11.77, 65.75
CIE _{LCh}	61, 66.794, 79.847
Yxy	28.6847, 0.4814, 0.4559
Android (android.graphics.Color)	4290742272 (0xFFBF8800)
YUV	136.9410, -67.5119, 47.4097
Hunter-Lab	53.5581, 7.2247, 33.1288

Details

The XYZ color **30.2900, 28.6847, 3.9402** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **10.7703, 6.4942, 49.9756**, and the grayscale version is **23.9836, 25.2326, 27.4783**.

A 20% lighter version of the original color is **59.4798, 57.5456, 13.9337**, and **12.9239, 11.7219, 1.5814** is the 20% darker color. If you saturate the color by 10%, you get **30.2902, 28.6854, 3.9404**, and if you desaturate by 10%, it is **31.2037, 30.3227, 4.8292**.

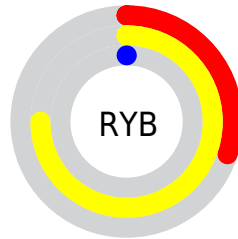
Distribution



Red (75%)

Green (53%)

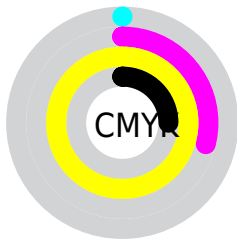
Blue (0%)



Red (30%)

Yellow (75%)

Blue (0%)

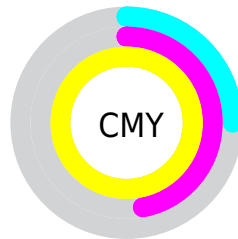


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (47%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2900, 28.6847, 3.9402 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 30.2900, 28.6847, 3.9402 by changing the saturation by 10% instead.


 30.2900, 28.6847,
3.9402


 30.2900, 28.6847,
3.9402


295.1395,
295.7244, 147.5584


 20.2080, 18.8424,
1.5926


 59.5040, 57.5758,
13.8716


 12.6555, 11.5565,
0.2855


 79.3666, 77.3933,
22.2925


 7.2671, 6.4424,
0.0000


 103.2202,
101.3048, 33.5749

 3.6775, 3.1159,
0.0000

 131.4301,
129.6946, 48.1373

 1.5214, 1.1926,
0.0000

 164.3616,
162.9470, 66.3983


 0.3403, 0.0556,
0.0000


 202.3801,


 0.0000, 0.0000,


201.4465, 88.7765


0.0000


 245.8510,
245.5775, 115.6903


 30.2900, 28.6847,
3.9402


 30.2900, 28.6847,
3.9402


 30.2902, 28.6854,
3.9404

 31.2037, 30.3227,
4.8292

 32.2733, 32.0865,
6.3437

 33.5422, 33.9953,
8.7053

 35.0320, 36.0588,
12.0258

 36.7612, 38.2853,
16.4003

■ 38.7462, 40.6822,
21.9120

■ 41.0018, 43.2561,
28.6359

■ 43.5413, 46.0133,
36.6406

■ 46.3774, 48.9597,
45.9892

Harmonies

Analogous

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



39.4034, 28.6847, 7.1926



30.2900, 28.6847, 3.9402



22.0171, 28.6847, 4.4856

Triad

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



30.2900, 28.6847, 3.9402



14.4610, 28.6847, 50.2700



41.9886, 28.6847, 72.9073

Complementary

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



30.2900, 28.6847, 3.9402



10.7703, 6.4942, 49.9756

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.



33.2844, 28.6847, 100.4958



30.2900, 28.6847, 3.9402



17.9153, 28.6847, 83.3461

Square

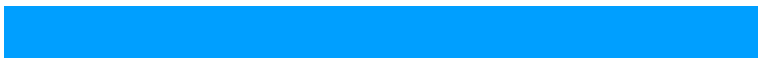
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.2900, 28.6847, 3.9402



13.9913, 28.6847, 23.5930



24.4465, 28.6847, 105.0870



47.0397, 28.6847, 40.3658

Rectangle

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



30.2900, 28.6847, 3.9402



17.9666, 28.6847, 7.1316



24.4465, 28.6847, 105.0870



39.3167, 28.6847, 83.6602

Sweetspot

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



30.2906, 28.6861, 3.9407



73.2300, 77.2443, 50.6588



22.2319, 11.3749, 4.9349



15.6909, 16.5228, 9.9454



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.



30.2906, 28.6861, 3.9407



54.0318, 50.9388, 6.9844



31.7300, 44.0142, 6.8235



10.0838, 10.6437, 10.0996



19.9782, 18.9953, 2.6135



0.8360, 0.8509, 0.1202

Inverse Universe

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



10.7703, 6.4942, 49.9756



19.1100, 11.2718, 89.4476



10.2110, 4.1778, 49.5580



9.2343, 9.6609, 12.0502



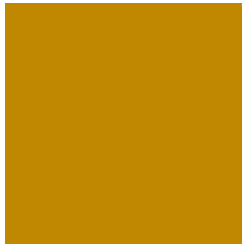
7.1386, 4.3890, 32.8638



0.3377, 0.2881, 1.3067

Previews

White Background



This preview shows how the XYZ color 30.2900, 28.6847, 3.9402 looks on a white background.

Color Contrast Check

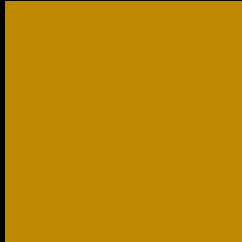
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.2900, 28.6847, 3.9402 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 30.2900, 28.6847, 3.9402

Background



This preview shows how black text looks on a background with the XYZ color 30.2900, 28.6847, 3.9402.



This preview shows how white text looks on a background with the XYZ color 30.2900, 28.6847,

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

30.2900, 28.6847, 3.9402

Protanopia

26.0171, 28.8933, 4.5535

Deuteranopia

29.2402, 28.7795, 4.0139



Tritanopia

34.9307, 28.5696, 26.9660

Trichromacy



Original Color

30.2900, 28.6847, 3.9402

Protanomaly

27.3218, 28.6611, 4.3219

Deuteranomaly

29.5820, 28.7418, 3.9886

Tritanomaly

32.2086, 28.2555, 12.7731

Monochromacy



Original Color

30.2900, 28.6847, 3.9402

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

24.5706, 25.7475, 12.6916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2900, 28.6847, 3.9402 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, 136, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 136, 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, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 136, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.2900, 28.6847, 3.9402 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, 136, 0) }
```


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

```
.border{ border-color:rgb(191, 136, 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, 136, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 136, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 136, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 136,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2900, 28.6847, 3.9402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 136, 0) }
```

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

```
.background{ background-color: rgb(191,  
136, 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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