

Converting Colors

XYZ(30.9547, 29.9108, 4.4779)

Have a look what the booklet for
XYZ(30.9547, 29.9108, 4.4779)
contains.

XYZ(30.9303, 29.8591, 4.4810)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.9303, 29.8591,
4.4810)**

Conversions

Conversions Part 1

Format	Color
Hex	BF8C0C
RGB	191, 140, 12
RGB Percent	75%, 55%, 5%
CMY	0.2510, 0.4510, 0.9529
CMYK	0.00, 0.27, 0.94, 0.25
HSL	43°, 88%, 40%
HSV	43°, 94%, 75%
XYZ	30.9303, 29.8591, 4.4810
YIQ	140.6570, 71.4840, -28.9960

Conversions

Conversions Part 2

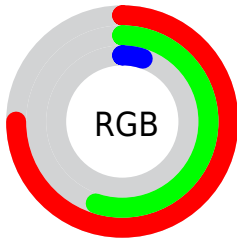
Format	Color
R_{YB}	83, 191, 12
Decimal	12553228
CIE _{Lab}	61.53, 9.72, 64.63
CIE _{LCh}	62, 65.353, 81.443
Yxy	29.8591, 0.4739, 0.4575
Android (android.graphics.Color)	4290743308 (0xFFBF8C0C)
YUV	140.6570, -63.4279, 44.1508
Hunter-Lab	54.6435, 5.4117, 33.3884

Details

The XYZ color **30.9303, 29.8591, 4.4810** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **11.3333, 7.3952, 50.1199**, and the grayscale version is **25.4050, 26.7280, 29.1068**.

A 20% lighter version of the original color is **60.5194, 59.3572, 15.1048**, and **13.1719, 12.2179, 1.6640** is the 20% darker color. If you saturate the color by 10%, you get **30.3723, 28.8495, 3.9677**, and if you desaturate by 10%, it is **31.9283, 31.5635, 5.7135**.

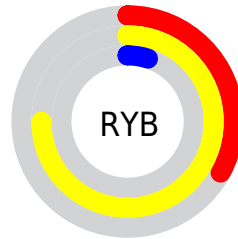
Distribution



Red (75%)

Green (55%)

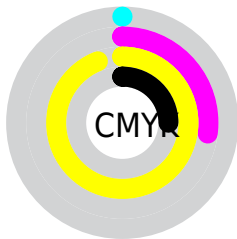
Blue (5%)



Red (33%)

Yellow (75%)

Blue (5%)

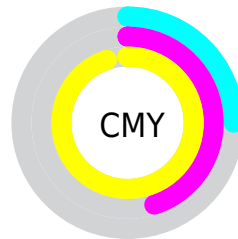


Cyan (0%)

Magenta (27%)

Yellow (94%)

Black (25%)



Cyan (25%)


Magenta (45%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9303, 29.8591, 4.4810 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 30.9303, 29.8591, 4.4810 by changing the saturation by 10% instead.


 30.9303, 29.8591,
4.4810


 30.9303, 29.8591,
4.4810


298.0497,
301.2471, 153.4304


 20.6973, 19.7317,
1.8928


 60.5069, 59.4393,
15.1047


 13.0141, 12.2001,
0.4881


 80.5813, 79.6608,
23.9773


 7.5154, 6.8801,
0.0000


 104.6668,
104.0158, 35.7817

 3.8356, 3.3872,
0.0000

 133.1289,
132.8888, 50.9365

 1.6096, 1.3371,
0.0000

 166.3329,
166.6639, 69.8602


 0.3986, 0.1697,
0.0000


 204.6441,


 0.0000, 0.0000,


205.7258, 92.9714


0.0000


 248.4279,
250.4587, 120.6886


 30.9303, 29.8591,
4.4810


 30.9303, 29.8591,
4.4810


 30.3723, 28.8495,
3.9677

 31.9283, 31.5635,
5.7135

 33.1146, 33.4057,
7.7440

 34.5134, 35.3976,
10.6941

 36.1443, 37.5479,
14.6641

 38.0242, 39.8641,
19.7413

■ 40.1684, 42.3533,
26.0033

■ 42.5909, 45.0216,
33.5209

■ 45.3044, 47.8752,
42.3593

■ 48.3210, 50.9194,
52.5790

Harmonies

Analogous

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



40.0742, 29.8591, 7.6622



30.9303, 29.8591, 4.4810



22.7182, 29.8591, 5.2614

Triad

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



30.9303, 29.8591, 4.4810



15.5325, 29.8591, 53.2448



43.4927, 29.8591, 72.2089

Complementary

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



30.9303, 29.8591, 4.4810



11.3333, 7.3952, 50.1199

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.



34.9125, 29.8591, 100.1547



30.9303, 29.8591, 4.4810



19.2160, 29.8591, 85.8720

Square

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



30.9303, 29.8591, 4.4810



14.8944, 29.8591, 25.9202



25.9742, 29.8591, 106.1342



48.2338, 29.8591, 40.1350

Rectangle

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



30.9303, 29.8591, 4.4810



18.7249, 29.8591, 8.2664



25.9742, 29.8591, 106.1342



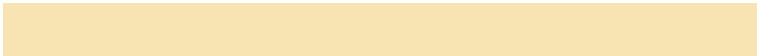
40.8882, 29.8591, 82.9557

Sweetspot

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



30.9310, 29.8606, 4.4816



74.1650, 78.3330, 53.3788



22.5920, 11.7293, 6.1823



15.8790, 16.7486, 10.4720



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.



30.9310, 29.8606, 4.4816



54.1799, 51.2349, 7.0337



32.2533, 44.2763, 7.1944



10.0863, 10.6486, 10.1004



20.0318, 19.1024, 2.6313



0.8378, 0.8545, 0.1208

Inverse Universe

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



11.3333, 7.3952, 50.1199



19.0622, 11.1763, 89.4317



10.7453, 4.6484, 49.6207



9.2319, 9.6562, 12.0495



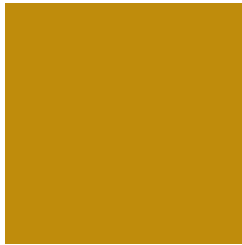
7.1202, 4.3521, 32.8577



0.3367, 0.2861, 1.3063

Previews

White Background



This preview shows how the XYZ color 30.9303, 29.8591, 4.4810 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 30.9303, 29.8591, 4.4810 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 30.9303, 29.8591, 4.4810

Background



This preview shows how black text looks on a background with the XYZ color 30.9303, 29.8591, 4.4810.



This preview shows how white text looks on a background with the XYZ color 30.9303, 29.8591,

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

30.9303, 29.8591, 4.4810

Protanopia

26.9894, 29.8571, 4.8307

Deuteranopia

30.3187, 29.7630, 4.4340



Tritanopia

36.0050, 29.8645, 28.6777

Trichromacy



Original Color

30.9303, 29.8591, 4.4810

Protanomaly

28.2696, 29.8224, 4.7183

Deuteranomaly

30.5715, 29.8927, 4.4752

Tritanomaly

33.0066, 29.4426, 14.2993

Monochromacy



Original Color

30.9303, 29.8591, 4.4810

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.8433, 27.2288, 14.4833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9303, 29.8591, 4.4810 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, 140, 12)` looks like.

```
.text, #text, p{  
    color:rgb(191, 140, 12)  
}
```

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, 140, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 140, 12) }
```

Border

The CSS property to change the border of an element to XYZ 30.9303, 29.8591, 4.4810 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, 140, 12) }
```


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

```
.border{ border-color:rgb(191, 140, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 140, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 140, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 140, 12);  
box-shadow:4px 4px 4px 4px rgb(191, 140,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9303, 29.8591, 4.4810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 140, 12) }
```

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

```
.background{ background-color: rgb(191,  
140, 12) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor