

Converting Colors

XYZ(30.3352, 33.0727, 4.7858)

Have a look what the booklet for
XYZ(30.3352, 33.0727, 4.7858)
contains.

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Color

**XYZ(30.3118, 33.0264,
4.7771)**

Conversions

Conversions Part 1

Format	Color
Hex	B39B00
RGB	179, 155, 0
RGB Percent	70%, 61%, 0%
CMY	0.2980, 0.3921, 1.0000
CMYK	0.00, 0.13, 1.00, 0.30
HSL	52°, 100%, 35%
HSV	52°, 100%, 70%
XYZ	30.3118, 33.0264, 4.7771
YIQ	144.5060, 64.0590, -43.1170

Conversions

Conversions Part 2

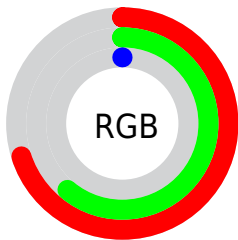
Format	Color
R _Y B	28, 179, 0
Decimal	11770624
CIE Lab	64.18, -4.01, 67.71
CIE LCh	64, 67.824, 93.386
Yxy	33.0264, 0.4450, 0.4849
Android (android.graphics.Color)	4289960704 (0xFFB39B00)
YUV	144.5060, -71.2415, 30.2512
Hunter-Lab	57.4686, -6.4203, 35.2995

Details

The XYZ color **30.3118, 33.0264, 4.7771** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.4636, 3.9083, 42.9559**, and the grayscale version is **26.9759, 28.3808, 30.9067**.

A 20% lighter version of the original color is **59.6331, 64.4461, 15.7749**, and **12.8355, 13.9656, 2.0191** is the 20% darker color. If you saturate the color by 10%, you get **30.3122, 33.0274, 4.7773**, and if you desaturate by 10%, it is **30.8243, 33.8781, 5.4830**.

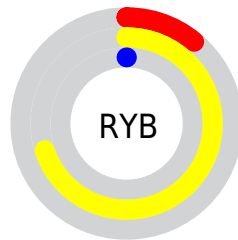
Distribution



Red (70%)

Green (61%)

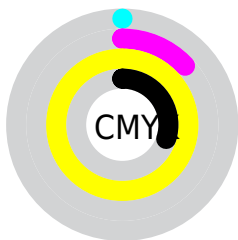
Blue (0%)



Red (11%)

Yellow (70%)

Blue (0%)

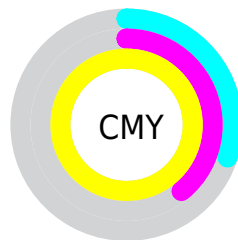


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (39%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3118, 33.0264, 4.7771 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 30.3118, 33.0264, 4.7771 by changing the saturation by 10% instead.


 30.3118, 33.0264,
4.7771


 30.3118, 33.0264,
4.7771


295.2389,
315.7687, 156.5066


 20.2246, 22.1467,
2.0606


 59.5382, 64.4167,
15.7657


 12.6676, 13.9647,
0.5922


 79.4081, 85.6961,
24.8748

 7.2755, 8.0961,
0.0000


 103.2696,
111.2109, 36.9520

 3.6828, 4.1565,
0.0000

 131.4881,
141.3454, 52.4157

 1.5243, 1.7615,
0.0000

 164.4289,
176.4840, 71.6845

 0.3423, 0.4630,
0.0000


 202.4574,


 0.0000, 0.0000,


217.0112, 95.1769


0.0000


 245.9390,
263.3113, 123.3114


 30.3118, 33.0264,
4.7771


 30.3118, 33.0264,
4.7771


 30.3122, 33.0274,
4.7773

 30.8243, 33.8781,
5.4830

 31.4428, 34.7836,
6.7108

 32.2057, 35.7598,
8.6596

 33.1311, 36.8139,
11.4244

 34.2344, 37.9521,
15.0855

■ 35.5289, 39.1799,
19.7138

■ 37.0269, 40.5022,
25.3729

■ 38.7394, 41.9235,
32.1212

■ 40.6768, 43.4480,
40.0125

Harmonies

Analogous

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



40.4188, 33.0264, 6.3618



30.3118, 33.0264, 4.7771



22.2799, 33.0264, 7.3986

Triad

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



30.3118, 33.0264, 4.7771



18.3500, 33.0264, 73.6546



50.9814, 33.0264, 65.2635

Complementary

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



30.3118, 33.0264, 4.7771



8.4636, 3.9083, 42.9559

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.



42.6976, 33.0264, 100.7294



30.3118, 33.0264, 4.7771



23.8181, 33.0264, 107.0691

Square

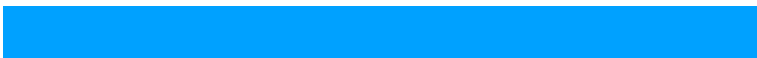
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.3118, 33.0264, 4.7771



16.3203, 33.0264, 39.1773



32.4947, 33.0264, 118.8950



53.6890, 33.0264, 32.9241

Rectangle

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



30.3118, 33.0264, 4.7771



18.7707, 33.0264, 12.7290



32.4947, 33.0264, 118.8950



48.6837, 33.0264, 77.6650

Sweetspot

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



30.3125, 33.0280, 4.7778



66.1675, 72.4128, 44.8752



18.7867, 9.6624, 1.9033



14.4034, 15.8205, 8.9641



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.



30.3125, 33.0280, 4.7778



54.1680, 58.9103, 8.5159



23.3697, 35.9774, 5.7130



9.0980, 9.7085, 9.0469



21.4546, 23.4078, 3.3874



0.7018, 0.7900, 0.1155

Inverse Universe

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



8.4636, 3.9083, 42.9559



15.0654, 6.8147, 76.9025



10.1649, 4.3005, 42.9420



8.1308, 8.4078, 10.7007



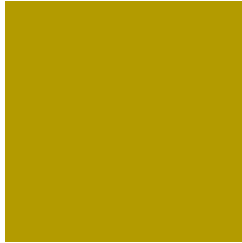
6.0090, 2.8184, 30.3643



0.2180, 0.1466, 0.9650

Previews

White Background



This preview shows how the XYZ color 30.3118, 33.0264, 4.7771 looks on a white background.

Color Contrast Check

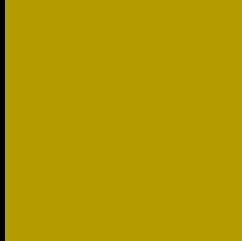
Large Text (above 18pt) WCAG AA × Fail

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 30.3118, 33.0264, 4.7771 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 30.3118, 33.0264, 4.7771

Background



This preview shows how black text looks on a background with the XYZ color 30.3118, 33.0264, 4.7771.

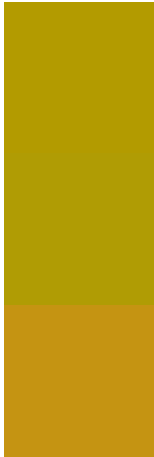


This preview shows how white text looks on a background with the XYZ color 30.3118, 33.0264,

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

30.3118, 33.0264, 4.7771

Protanopia

29.8149, 33.0158, 4.9161

Deuteranopia

33.7250, 33.0938, 5.1825



Tritanopia

36.6287, 33.0044, 35.4503

Trichromacy



Original Color

30.3118, 33.0264, 4.7771

Protanomaly

30.0364, 33.1306, 4.8979

Deuteranomaly

32.3622, 33.1045, 5.0007

Tritanomaly

32.8496, 32.3949, 16.3259

Monochromacy



Original Color

30.3118, 33.0264, 4.7771

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.5838, 29.4357, 14.4058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3118, 33.0264, 4.7771 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(179, 155, 0)` looks like.

```
.text, #text, p{  
    color:rgb(179, 155, 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(179, 155, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 155, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.3118, 33.0264, 4.7771 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(179, 155, 0) }
```


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

```
.border{ border-color:rgb(179, 155, 0) }
```

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

Here you see how a box with a 4 pixel rgb(179, 155, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 155, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 155, 0);  
box-shadow:4px 4px 4px 4px rgb(179, 155,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3118, 33.0264, 4.7771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 155, 0) }
```

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

```
.background{ background-color: rgb(179,  
155, 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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