

Converting Colors

XYZ(17.6128, 30.5288, 0.9460)

Have a look what the booklet for
XYZ(17.6128, 30.5288, 0.9460)
contains.

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Color

**XYZ(18.3992, 30.8242,
4.9799)**

Conversions

Conversions Part 1

Format	Color
Hex	58AA00
RGB	88, 170, 0
RGB Percent	35%, 67%, 0%
CMY	0.6549, 0.3333, 0.9999
CMYK	0.48, 0.00, 1.00, 0.33
HSL	89°, 100%, 33%
HSV	89°, 100%, 67%
XYZ	18.3992, 30.8242, 4.9799
YIQ	126.1020, 5.6980, -70.2540

Conversions

Conversions Part 2

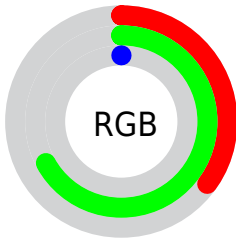
Format	Color
RYB	0, 170, 82
Decimal	5810688
CIELab	62.36, -48.52, 63.58
CIElCh	62, 79.974, 127.347
Yxy	30.8242, 0.3394, 0.5687
Android (android.graphics.Color)	4284000768 (0xFF58AA00)
YUV	126.1020, -62.1683, -33.4155
Hunter-Lab	55.5195, -38.0042, 33.5456

Details

The XYZ color **18.3992, 30.8242, 4.9799** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **10.7376, 4.6975, 38.3728**, and the grayscale version is **20.0709, 21.1162, 22.9955**.

A 20% lighter version of the original color is **40.3204, 61.0117, 16.3079**, and **6.6498, 12.8713, 2.1339** is the 20% darker color. If you saturate the color by 10%, you get **18.3991, 30.8251, 4.9801**, and if you desaturate by 10%, it is **19.3217, 31.2890, 5.5520**.

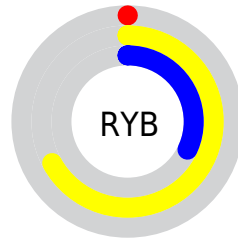
Distribution



Red (35%)

Green (67%)

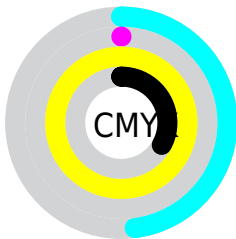
Blue (0%)



Red (0%)

Yellow (67%)

Blue (32%)

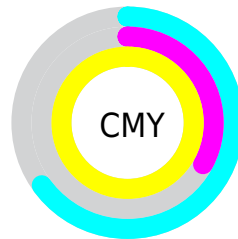


Cyan (48%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (65%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3992, 30.8242, 4.9799 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 18.3992, 30.8242, 4.9799 by changing the saturation by 10% instead.

■ 18.3992, 30.8242,
4.9799

■ 18.3992, 30.8242,
4.9799

236.1139,
305.7276, 158.5632

■ 11.3384, 20.4650,
2.1769

■ 40.2412, 60.9632,
16.2132

■ 6.3639, 12.7335,
0.6610

■ 55.7530, 81.5118,
25.4805

■ 3.1103, 7.2453,
0.0000

■ 74.8126, 106.2256,
37.7398

■ 1.2124, 3.6160,
0.0000

■ 97.7853, 135.4891,
53.4095

■ 0.1161, 1.4612,
0.0000

■ 125.0364,
169.6867, 72.9081


■ 0.0000, 0.2612,
0.0000


■ 156.9313,


■ 0.0000, 0.0000,


209.2027, 96.6543


0.0000


 193.8354,
254.4215, 125.0665


 18.3992, 30.8242,
4.9799


 18.3992, 30.8242,
4.9799


 18.3991, 30.8251,
4.9801

 19.3217, 31.2890,
5.5520

 20.4200, 31.8336,
6.5828

 21.7323, 32.4744,
8.2566

 23.2770, 33.2192,
10.6566

 25.0698, 34.0745,
13.8535

■ 27.1249, 35.0463,
17.9098

■ 29.4552, 36.1400,
22.8815

■ 32.0727, 37.3606,
28.8201

■ 34.9884, 38.7128,
35.7731

Harmonies

Analogous

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



26.7161, 30.8242, 2.3626



18.3992, 30.8242, 4.9799



13.9827, 30.8242, 15.4423

Triad

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



18.3992, 30.8242, 4.9799



21.9906, 30.8242, 124.0858



55.1646, 30.8242, 26.5033

Complementary

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



18.3992, 30.8242, 4.9799



10.7376, 4.6975, 38.3728

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.



53.0057, 30.8242, 62.1501



18.3992, 30.8242, 4.9799



32.0400, 30.8242, 134.1719

Square

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



18.3992, 30.8242, 4.9799



15.6718, 30.8242, 84.2572



43.8226, 30.8242, 106.7406



49.1518, 30.8242, 8.8353

Rectangle

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



18.3992, 30.8242, 4.9799



13.0379, 30.8242, 30.8780



43.8226, 30.8242, 106.7406



55.3914, 30.8242, 36.3979

Sweetspot

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



18.3999, 30.8255, 4.9806



53.1937, 65.4535, 40.9706



19.3992, 14.1881, 1.7165



11.4651, 14.4102, 8.2753



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.3999, 30.8255, 4.9806



33.1289, 55.7960, 9.0236



14.4466, 28.7875, 4.7956



7.7932, 8.5915, 8.0369



13.5987, 22.7076, 3.6663



0.3895, 0.5827, 0.0919

Inverse Universe

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



10.7376, 4.6975, 38.3728



19.2309, 8.3931, 69.6083



22.6358, 10.8312, 38.9296



7.4633, 7.4714, 9.4671



7.9616, 3.4878, 28.2291



0.2530, 0.1154, 0.6896

Previews

White Background



This preview shows how the XYZ color 18.3992, 30.8242, 4.9799 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 18.3992, 30.8242, 4.9799 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 18.3992, 30.8242, 4.9799

Background



This preview shows how black text looks on a background with the XYZ color 18.3992, 30.8242, 4.9799.



This preview shows how white text looks on a background with the XYZ color 18.3992, 30.8242,

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

18.3992, 30.8242, 4.9799

Protanopia

27.2685, 30.2477, 4.4012

Deuteranopia

30.9626, 30.2862, 5.8040



Tritanopia

26.0080, 30.7090, 43.0847

Trichromacy



Original Color

18.3992, 30.8242, 4.9799

Protanomaly

22.8722, 29.6894, 4.5251

Deuteranomaly

24.3219, 29.1898, 5.1113

Tritanomaly

21.1601, 29.7696, 19.0988

Monochromacy



Original Color

18.3992, 30.8242, 4.9799

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

17.8031, 23.3699, 11.1619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3992, 30.8242, 4.9799 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(88, 170, 0)` looks like.

```
.text, #text, p{  
    color:rgb(88, 170, 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(88, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 170, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.3992, 30.8242, 4.9799 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(88, 170, 0) }
```


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

```
.border{ border-color:rgb(88, 170, 0) }
```

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

Here you see how a box with a 4 pixel rgb(88, 170, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 170, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 170, 0);  
box-shadow:4px 4px 4px 4px rgb(88, 170, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.3992, 30.8242, 4.9799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 170, 0) }
```

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

```
.background{ background-color: rgb(88, 170,  
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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