

Converting Colors

XYZ(30.5093, 29.6157, 9.9388)

Have a look what the booklet for
XYZ(30.5093, 29.6157, 9.9388)
contains.

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Color

**XYZ(30.4912, 29.5127,
9.8838)**

Conversions

Conversions Part 1

Format	Color
Hex	B98C46
RGB	185, 140, 70
RGB Percent	73%, 55%, 27%
CMY	0.2745, 0.4510, 0.7255
CMYK	0.00, 0.24, 0.62, 0.27
HSL	37°, 45%, 50%
HSV	37°, 62%, 73%
XYZ	30.4912, 29.5127, 9.8838
YIQ	145.4750, 49.2900, -12.2300

Conversions

Conversions Part 2

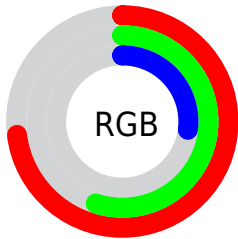
Format	Color
RYB	144, 185, 70
Decimal	12160070
CIELab	61.23, 9.39, 43.27
CIElCh	61, 44.279, 77.762
Yxy	29.5127, 0.4363, 0.4223
Android (android.graphics.Color)	4290350150 (0xFFB98C46)
YUV	145.4750, -37.2092, 34.6634
Hunter-Lab	54.3256, 5.1165, 27.2409

Details

The XYZ color **30.4912, 29.5127, 9.8838** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **17.4132, 17.0656, 48.2750**, and the grayscale version is **27.2407, 28.6593, 31.2100**.

A 20% lighter version of the original color is **59.8294, 58.7535, 26.2764**, and **12.6845, 11.9520, 2.3002** is the 20% darker color. If you saturate the color by 10%, you get **28.9718, 27.2690, 6.9268**, and if you desaturate by 10%, it is **32.2615, 31.9704, 13.8125**.

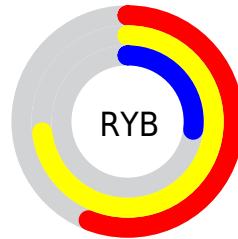
Distribution



Red (73%)

Green (55%)

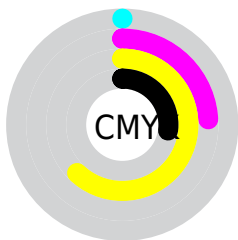
Blue (27%)



Red (56%)

Yellow (73%)

Blue (27%)

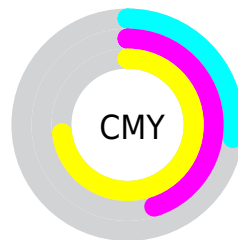


Cyan (0%)

Magenta (24%)

Yellow (62%)

Black (27%)



Cyan (27%)


Magenta (45%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4912, 29.5127, 9.8838 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 30.4912, 29.5127, 9.8838 by changing the saturation by 10% instead.


 30.4912, 29.5127,
9.8838


 30.4912, 29.5127,
9.8838


296.0563,
299.6264, 200.2953


 20.3616, 19.4690,
5.2174


 59.8194, 58.8907,
26.1811


 12.7680, 12.0097,
2.3144


 79.7488, 78.9938,
38.6491


 7.3449, 6.7503,
0.7393


 103.6755,
103.2188, 54.5546

 3.7269, 3.3064,
0.0000

 131.9649,
131.9501, 74.3163

 1.5488, 1.2937,
0.0000

 164.9823,
165.5721, 98.3527

 0.3587, 0.1363,
0.0000

203.0931,

 0.0000, 0.0000,

204.4692, 127.0823

0.0000

246.6627,
249.0259, 160.9236

■ 30.4912, 29.5127,
9.8838

■ 30.4912, 29.5127,
9.8838

■ 28.9718, 27.2690,
6.9268

■ 32.2615, 31.9704,
13.8125

■ 27.6827, 25.2254,
4.8490

■ 34.2967, 34.6464,
18.7902

■ 26.6029, 23.3726,
3.5428

■ 36.6124, 37.5500,
24.8887

■ 25.8699, 22.0390,
2.8905

■ 39.2220, 40.6885,
32.1727

■ 42.1378, 44.0688,
40.7020

■ 45.3716, 47.6974,
50.5322

■ 48.9344, 51.5806,
61.7157

■ 52.8366, 55.7243,
74.3019

■ 57.0882, 60.1343,
88.3378

Harmonies

Analogous

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



36.2682, 29.5127, 13.7641



30.4912, 29.5127, 9.8838



24.7729, 29.5127, 10.2526

Triad

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



30.4912, 29.5127, 9.8838



18.6843, 29.5127, 42.9394



37.1810, 29.5127, 58.8596

Complementary

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



30.4912, 29.5127, 9.8838



17.4132, 17.0656, 48.2750

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.



31.6061, 29.5127, 73.3521



30.4912, 29.5127, 9.8838



21.1793, 29.5127, 62.1908

Square

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



30.4912, 29.5127, 9.8838



18.4722, 29.5127, 25.8067



25.7445, 29.5127, 74.7471



40.4736, 29.5127, 39.4199

Rectangle

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



30.4912, 29.5127, 9.8838



21.7394, 29.5127, 12.8697



25.7445, 29.5127, 74.7471



35.4791, 29.5127, 64.7239

Sweetspot

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



30.4919, 29.5141, 9.8844



71.6782, 74.5541, 61.7440



25.3502, 15.9558, 18.2670



15.1447, 15.7111, 12.4249



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



30.4919, 29.5141, 9.8844



50.9022, 47.3085, 10.7132



35.7988, 44.0813, 12.4164



9.4472, 9.8974, 9.5194



17.6876, 15.1516, 1.9923



0.6819, 0.6508, 0.0897

Inverse Universe

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



17.4132, 17.0656, 48.2750



25.5605, 23.2675, 85.3485



14.3837, 9.6549, 47.0042



8.8016, 9.2804, 11.4068



7.6240, 5.7078, 31.9530



0.3296, 0.3228, 1.1467

Previews

White Background



This preview shows how the XYZ color 30.4912, 29.5127, 9.8838 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 30.4912, 29.5127, 9.8838 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 30.4912, 29.5127, 9.8838

Background



This preview shows how black text looks on a background with the XYZ color 30.4912, 29.5127, 9.8838.



This preview shows how white text looks on a background with the XYZ color 30.4912, 29.5127,

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

30.4912, 29.5127, 9.8838

Protanopia

27.1023, 29.5534, 10.5793

Deuteranopia

30.1588, 29.5592, 9.9103



Tritanopia

34.6196, 29.5319, 29.4668

Trichromacy



Original Color

30.4912, 29.5127, 9.8838

Protanomaly

28.3084, 29.4893, 10.3309

Deuteranomaly

30.3975, 29.6823, 9.9215

Tritanomaly

32.8026, 29.4077, 20.4704

Monochromacy



Original Color

30.4912, 29.5127, 9.8838

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.5897, 28.4265, 21.1723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4912, 29.5127, 9.8838 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(185, 140, 70)` looks like.

```
.text, #text, p{  
    color:rgb(185, 140, 70)  
}
```

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(185, 140, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 140, 70) }
```

Border

The CSS property to change the border of an element to XYZ 30.4912, 29.5127, 9.8838 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(185, 140, 70) }
```


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

```
.border{ border-color:rgb(185, 140, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 140, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 140, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 140, 70);  
box-shadow:4px 4px 4px 4px rgb(185, 140,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4912, 29.5127, 9.8838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 140, 70) }
```

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

```
.background{ background-color: rgb(185,  
140, 70) }
```

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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