

# Converting Colors

XYZ(30.8853, 27.2986, 9.6199)

Have a look what the booklet for  
XYZ(30.8853, 27.2986, 9.6199)  
contains.

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# Color

**XYZ(30.8488, 27.2307,  
9.5914)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C18047
RGB	193, 128, 71
RGB Percent	76%, 50%, 28%
CMY	0.2431, 0.4980, 0.7216
CMYK	0.00, 0.34, 0.63, 0.24
HSL	28°, 50%, 52%
HSV	28°, 63%, 76%
XYZ	30.8488, 27.2307, 9.5914
YIQ	140.9370, 57.0370, -3.9470

# Conversions

## Conversions Part 2

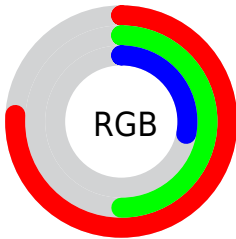
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	193, 178, 71
Decimal	12681287
CIE <sub>Lab</sub>	59.19, 19.53, 40.64
CIE <sub>LCh</sub>	59, 45.093, 64.335
Yxy	27.2307, 0.4559, 0.4024
Android (android.graphics.Color)	4290871367 (0xFFC18047)
YUV	140.9370, -34.4789, 45.6593
Hunter-Lab	52.1830, 14.2027, 25.6305

# Details

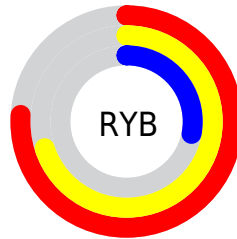
The XYZ color **30.8488, 27.2307, 9.5914** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **21.0278, 22.7971, 53.7438**, and the grayscale version is **25.4086, 26.7318, 29.1109**.

A 20% lighter version of the original color is **60.4831, 55.3109, 25.5774**, and **12.9423, 10.8047, 2.2140** is the 20% darker color. If you saturate the color by 10%, you get **29.0512, 24.4744, 6.4066**, and if you desaturate by 10%, it is **32.9803, 30.3402, 13.8583**.

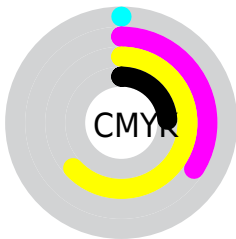
# Distribution



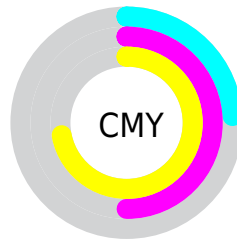
- Red (76%)
- Green (50%)
- Blue (28%)



- Red (76%)
- Yellow (70%)
- Blue (28%)



- Cyan (0%)
- Magenta (34%)
- Yellow (63%)
- Black (24%)




- Cyan (24%)
- Magenta (50%)
- Yellow (72%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8488, 27.2307, 9.5914 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 30.8488, 27.2307, 9.5914 by changing the saturation by 10% instead.





 30.8488, 27.2307,  
9.5914


 30.8488, 27.2307,  
9.5914

297.6805,  
288.7724, 198.1081


 20.6350, 17.7466,  
5.0269


 60.3794, 55.2538,  
25.6198


 12.9684, 10.7682,  
2.2040


 80.4269, 74.5616,  
37.9207

 7.4836, 5.9112,  
0.6767


 104.4831, 97.9128,  
53.6374

 3.8154, 2.7911,  
0.0000

 132.9132,  
125.6917, 73.1886

 1.5982, 1.0237,  
0.0000

 166.0826,  
158.2827, 96.9927

 0.3912, 0.0000,  
0.0000

204.3567,

 0.0000, 0.0000,

196.0702, 125.4683

0.0000

248.1009,  
239.4386, 159.0339

■ 30.8488, 27.2307,  
9.5914

■ 30.8488, 27.2307,  
9.5914

■ 29.0512, 24.4744,  
6.4066

■ 32.9803, 30.3402,  
13.8583

■ 27.5622, 22.0515,  
4.1990

■ 35.4645, 33.8134,  
19.2959

■ 26.3549, 19.9456,  
2.8450

■ 38.3207, 37.6650,  
25.9850

■ 25.6635, 18.6800,  
2.2530

■ 41.5663, 41.9075,  
33.9989

■ 45.2172, 46.5530,  
43.4052

■ 49.2886, 51.6128,  
54.2668

■ 53.7946, 57.0976,  
66.6428

■ 58.7489, 63.0180,  
80.5889

■ 64.1642, 69.3840,  
96.1580

# Harmonies

## Analogous

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



35.8674, 27.2307, 15.3981



30.8488, 27.2307, 9.5914



25.0739, 27.2307, 8.2613

# Triad

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



30.8488, 27.2307, 9.5914



16.5347, 27.2307, 32.0503



32.4662, 27.2307, 63.2407

# Complementary

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



30.8488, 27.2307, 9.5914



21.0278, 22.7971, 53.7438

# 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.



26.7072, 27.2307, 72.4404



30.8488, 27.2307, 9.5914



17.9465, 27.2307, 50.7489

# Square

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



30.8488, 27.2307, 9.5914



17.3144, 27.2307, 18.1663



21.4791, 27.2307, 67.1954



36.8920, 27.2307, 45.1708



# Rectangle

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



30.8488, 27.2307, 9.5914



21.6805, 27.2307, 9.4490



21.4791, 27.2307, 67.1954



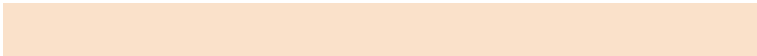
30.5939, 27.2307, 67.7207

# Sweetspot

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



30.8494, 27.2321, 9.5919



76.9173, 78.2265, 67.1828



28.6943, 17.6236, 25.2069



16.1083, 16.2789, 13.4106



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.



30.8494, 27.2321, 9.5919



50.9064, 42.0373, 9.7026



41.3127, 48.1587, 13.0797



10.4525, 10.8364, 10.6026



17.1479, 12.5816, 1.5247



0.8098, 0.6814, 0.0889



# Inverse Universe

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



21.0278, 22.7971, 53.7438



31.8741, 33.4007, 95.1273



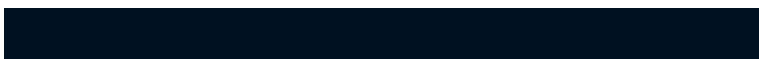
14.7450, 10.2313, 51.6495



9.9626, 10.6165, 12.8089



9.6970, 9.1506, 34.8118

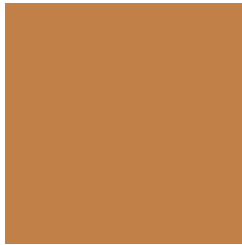


0.4875, 0.5323, 1.5269



# Previews

## White Background



This preview shows how the XYZ color 30.8488, 27.2307, 9.5914 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

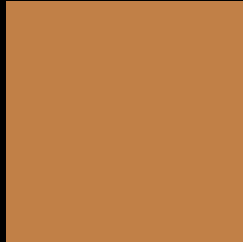
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.8488, 27.2307, 9.5914 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

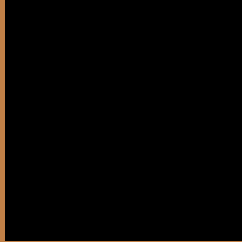
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 30.8488, 27.2307, 9.5914**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.8488, 27.2307, 9.5914.



This preview shows how white text looks on a background with the XYZ color 30.8488, 27.2307,

9.5914.

# 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

30.8488, 27.2307, 9.5914

### Protanopia

25.0316, 27.3348, 10.7943

### Deuteranopia

27.7828, 27.2681, 9.4292



## Tritanopia

33.8926, 27.1568, 24.5745

# Trichromacy



## Original Color

30.8488, 27.2307, 9.5914

## Protanomaly

26.9021, 27.2174, 10.3142

## Deuteranomaly

28.7844, 27.1623, 9.5201

## Tritanomaly

32.7329, 27.2552, 18.0036

# Monochromacy



## Original Color

30.8488, 27.2307, 9.5914

## Achromatopsia

25.3171, 26.6356, 29.0061

## Achromatomaly

26.4537, 26.3429, 20.2134

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.8488, 27.2307, 9.5914 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(193, 128, 71)` looks like.

```
.text, #text, p{  
    color:rgb(193, 128, 71)  
}
```

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(193, 128, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 128, 71) }
```

## Border

The CSS property to change the border of an element to XYZ 30.8488, 27.2307, 9.5914 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(193, 128, 71) }
```



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

```
.border{ border-color:rgb(193, 128, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 128, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 128, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 128, 71);  
box-shadow:4px 4px 4px 4px rgb(193, 128,  
71) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.8488, 27.2307, 9.5914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 128, 71) }
```

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

```
.background{ background-color: rgb(193,  
128, 71) }
```

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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