

# Converting Colors

XYZ(30.6600, 26.7578, 27.6214)

Have a look what the booklet for  
XYZ(30.6600, 26.7578, 27.6214)  
contains.

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# Color

**XYZ(30.6667, 26.7383,  
27.5895)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2808A
RGB	178, 128, 138
RGB Percent	70%, 50%, 54%
CMY	0.3020, 0.4980, 0.4588
CMYK	0.00, 0.28, 0.22, 0.30
HSL	348°, 25%, 60%
HSV	348°, 28%, 70%
XYZ	30.6667, 26.7383, 27.5895
YIQ	144.0900, 26.5900, 13.7100

# Conversions

## Conversions Part 2

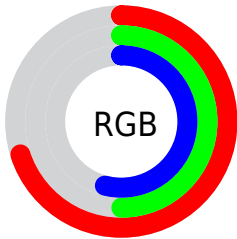
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 128, 138
Decimal	11698314
CIELab	58.73, 20.82, 2.29
CIELCh	59, 20.944, 6.274
Yxy	26.7383, 0.3608, 0.3146
Android (android.graphics.Color)	4289888394 (0xFFB2808A)
YUV	144.0900, -3.0024, 29.7391
Hunter-Lab	51.7091, 15.3707, 4.5621

# Details

The XYZ color **30.6667, 26.7383, 27.5895** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **31.8915, 39.2577, 42.9443**, and the grayscale version is **26.5503, 27.9330, 30.4191**.

A 20% lighter version of the original color is **60.1888, 54.4715, 56.6320**, and **12.7980, 10.4384, 10.5728** is the 20% darker color. If you saturate the color by 10%, you get **27.5811, 22.1102, 21.8033**, and if you desaturate by 10%, it is **34.2963, 32.2375, 34.2246**.

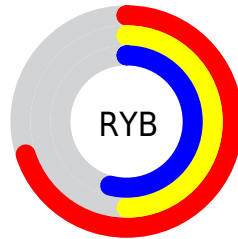
# Distribution



Red (70%)

Green (50%)

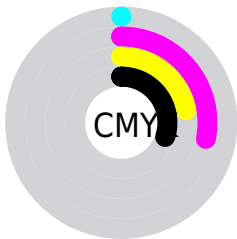
Blue (54%)



Red (70%)

Yellow (50%)

Blue (54%)

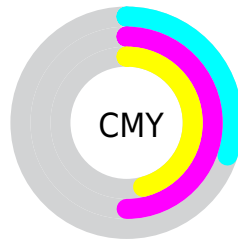


Cyan (0%)

Magenta (28%)

Yellow (22%)

Black (30%)



Cyan (30%)

Magenta (50%)

Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6667, 26.7383, 27.5895 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 30.6667, 26.7383, 27.5895 by changing the saturation by 10% instead.



■ 30.6667, 26.7383,  
27.5895

■ 30.6667, 26.7383,  
27.5895

296.8542,  
286.3878, 304.3501

■ 20.4958, 17.3768,  
17.7801

■ 60.0944, 54.4636,  
56.8436

■ 12.8663, 10.5035,  
10.6244

■ 80.0818, 73.5962,  
77.1253

■ 7.4129, 5.7340,  
5.7039

■ 104.0721, 96.7547,  
101.7350

■ 3.7702, 2.6840,  
2.6000

132.4306,  
124.3233, 131.0910

■ 1.5730, 0.9691,  
0.8925

165.5228,  
156.6865, 165.6120

■ 0.3747, 0.0000,  
0.0000

203.7138,

■ 0.0000, 0.0000,

194.2287, 205.7165

0.0000

247.3692,  
237.3344, 251.8230

■ 30.6667, 26.7383,  
27.5895

■ 30.6667, 26.7383,  
27.5895

■ 27.5811, 22.1102,  
21.8033

■ 34.2963, 32.2375,  
34.2246

■ 25.0108, 18.3049,  
16.8299

■ 38.4923, 38.6455,  
41.7397

■ 22.9277, 15.2750,  
12.6328


■ 43.2786, 46.0024,  
50.1660


■ 21.3002, 12.9666,  
9.1721


■ 48.6771, 54.3446,  
59.5330


■ 20.0928, 11.3191,  
6.4040

■ 54.7083, 63.7068,  
69.8685


 19.2645, 10.2618,  
4.2802


 61.3922, 74.1217,  
81.1995

 18.7521, 9.6809,  
2.7407

 68.7475, 85.6210,  
93.5517

 18.6724, 9.5899,  
2.5034

 71.6796, 88.0088,  
105.2457

 72.1702, 88.2050,  
107.8292

# Harmonies

## Analogous

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



30.2276, 26.7383, 35.2076



30.6667, 26.7383, 27.5895



29.6235, 26.7383, 21.4959

# Triad

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



30.6667, 26.7383, 27.5895



22.5925, 26.7383, 19.1023



23.4711, 26.7383, 44.1403

# Complementary

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



30.6667, 26.7383, 27.5895



31.8915, 39.2577, 42.9443

# 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.



21.6233, 26.7383, 38.3465



30.6667, 26.7383, 27.5895



21.1406, 26.7383, 23.7665

# Square

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



30.6667, 26.7383, 27.5895



24.8761, 26.7383, 17.1589



20.7981, 26.7383, 30.6925



25.9595, 26.7383, 45.6281



# Rectangle

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



30.6667, 26.7383, 27.5895



28.2668, 26.7383, 18.8303



20.7981, 26.7383, 30.6925



22.7598, 26.7383, 42.5891

# Sweetspot

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



30.6674, 26.7395, 27.5900



69.7618, 70.0176, 75.6185



31.9044, 26.9788, 45.6455



15.1886, 15.1033, 16.2785



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.



30.6674, 26.7395, 27.5900



51.8659, 42.8586, 43.0397



32.0797, 30.6695, 24.6527



8.5635, 8.5321, 9.2000



13.3788, 6.8691, 1.8890



0.4413, 0.2243, 0.1664



# Inverse Universe

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



30.6674, 26.7395, 27.5900



51.8659, 42.8586, 43.0397



30.0361, 33.9988, 47.0990



8.5635, 8.5321, 9.2000



13.3788, 6.8691, 1.8890

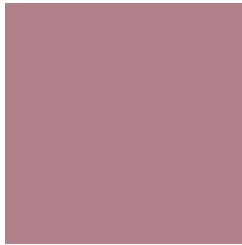


0.4413, 0.2243, 0.1664



# Previews

## White Background



This preview shows how the XYZ color 30.6667, 26.7383, 27.5895 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

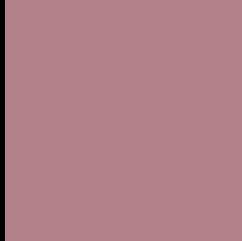
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 30.6667, 26.7383, 27.5895 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 30.6667, 26.7383, 27.5895**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.6667, 26.7383, 27.5895.



This preview shows how white text looks on a background with the XYZ color 30.6667, 26.7383,



# 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

30.6667, 26.7383, 27.5895

### Protanopia

25.9634, 26.9337, 30.6184

### Deuteranopia

27.2942, 26.8370, 27.0340



## Tritanopia

30.6667, 26.7383, 27.5895

# Trichromacy



## Original Color

30.6667, 26.7383, 27.5895

## Protanomaly

27.3969, 26.6292, 29.2872

## Deuteranomaly

28.5575, 26.8557, 27.3454

## Tritanomaly

30.6667, 26.7383, 27.5895

# Monochromacy



## Original Color

30.6667, 26.7383, 27.5895

## Achromatopsia

26.5089, 27.8894, 30.3716

## Achromatomaly

27.6813, 27.1979, 29.3819

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.6667, 26.7383, 27.5895 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(178, 128, 138)` looks like.

```
.text, #text, p{  
    color:rgb(178, 128, 138)  
}
```

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(178, 128, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 128, 138) }
```

## Border

The CSS property to change the border of an element to XYZ 30.6667, 26.7383, 27.5895 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(178, 128, 138) }
```



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

```
.border{ border-color:rgb(178, 128, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 128, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 128, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 128, 138);  
box-shadow:4px 4px 4px 4px rgb(178, 128,  
138) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.6667, 26.7383, 27.5895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 128, 138) }
```

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

```
.background{ background-color: rgb(178,  
128, 138) }
```

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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