

# Converting Colors

XYZ(34.8193, 27.6468, 23.3349)

Have a look what the booklet for  
XYZ(34.8193, 27.6468, 23.3349)  
contains.

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# Color

**XYZ(34.6907, 27.5986,  
23.2373)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C9797E
RGB	201, 121, 126
RGB Percent	79%, 47%, 49%
CMY	0.2118, 0.5255, 0.5059
CMYK	0.00, 0.40, 0.37, 0.21
HSL	356°, 43%, 63%
HSV	356°, 40%, 79%
XYZ	34.6907, 27.5986, 23.2373
YIQ	145.4900, 46.0750, 18.5150

# Conversions

## Conversions Part 2

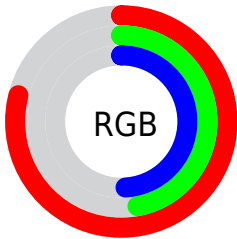
<b>Format</b>	<b>Color</b>
<b>RYB</b>	201, 121, 126
Decimal	13203838
CIELab	59.52, 31.79, 10.69
CIELCh	60, 33.538, 18.596
Yxy	27.5986, 0.4056, 0.3227
Android (android.graphics.Color)	4291393918 (0xFFC9797E)
YUV	145.4900, -9.6086, 48.6823
Hunter-Lab	52.5344, 25.9361, 10.5486

# Details

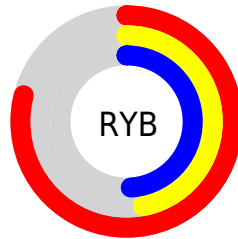
The XYZ color **34.6907, 27.5986, 23.2373** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **38.7370, 49.8245, 59.8028**, and the grayscale version is **27.1386, 28.5519, 31.0930**.

A 20% lighter version of the original color is **64.5127, 54.7868, 49.8225**, and **15.0944, 10.9716, 8.3433** is the 20% darker color. If you saturate the color by 10%, you get **31.3940, 22.7713, 16.6937**, and if you desaturate by 10%, it is **38.7268, 33.5380, 31.1581**.

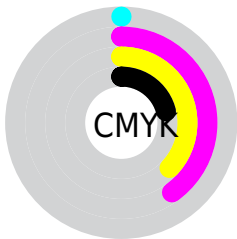
# Distribution



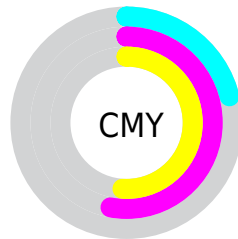
- Red (79%)
- Green (47%)
- Blue (49%)



- Red (79%)
- Yellow (47%)
- Blue (49%)



- Cyan (0%)
- Magenta (40%)
- Yellow (37%)
- Black (21%)




- Cyan (21%)
- Magenta (53%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6907, 27.5986, 23.2373 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 34.6907, 27.5986, 23.2373 by changing the saturation by 10% instead.





 34.6907, 27.5986,  
23.2373


 34.6907, 27.5986,  
23.2373


314.7330,  
290.5439, 282.1028


 23.5901, 18.0233,  
14.5619


 66.3435, 55.8429,  
49.7108

 15.1529, 10.9667,  
8.3693


 87.6265, 75.2808,  
68.3460

 9.0138, 6.0445,  
4.2410


 113.0342, 98.7749,  
91.1381

 4.8074, 2.8721,  
1.7585

142.9322,  
126.7097, 118.5058

 2.1683, 1.0653,  
0.4003

177.6857,  
159.4697, 150.8676

 0.7259, 0.0000,  
0.0000

217.6601,

 0.0000, 0.0000,

197.4391, 188.6420

0.0000

263.2207,  
241.0023, 232.2476

■ 34.6907, 27.5986,  
23.2373

■ 34.6907, 27.5986,  
23.2373

■ 31.3940, 22.7713,  
16.6937

■ 38.7268, 33.5380,  
31.1581

■ 28.7898, 18.9833,  
11.4470

■ 43.5412, 40.6483,  
40.5266

■ 26.8292, 16.1591,  
7.4114

■ 49.1724, 48.9892,  
51.4108

■ 25.4560, 14.2119,  
4.4899

■ 55.6561, 58.6151,  
63.8735

■ 24.6043, 13.0389,  
2.5706

■ 63.0257, 69.5770,  
77.9744

■ 24.1641, 12.4552,  
1.5090

■ 71.3126, 81.9233,  
93.7696

■ 24.1572, 12.4455,  
1.4948

■ 77.8975, 91.1575,  
108.0973

# Harmonies

## Analogous

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



35.0088, 27.5986, 34.8792



34.6907, 27.5986, 23.2373



31.9674, 27.5986, 15.7821

# Triad

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



34.6907, 27.5986, 23.2373



20.6083, 27.5986, 17.1609



24.6610, 27.5986, 59.0415

# Complementary

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



34.6907, 27.5986, 23.2373



38.7370, 49.8245, 59.8028

# 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.



21.2266, 27.5986, 51.0474



34.6907, 27.5986, 23.2373



19.0598, 27.5986, 25.6888

# Square

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



34.6907, 27.5986, 23.2373



23.7303, 27.5986, 12.9781



19.2733, 27.5986, 38.0794



28.9029, 27.5986, 57.8669



# Rectangle

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



34.6907, 27.5986, 23.2373



29.3031, 27.5986, 13.2018



19.2733, 27.5986, 38.0794



23.3827, 27.5986, 57.2665

# Sweetspot

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



34.6914, 27.6000, 23.2378



81.7735, 80.2946, 83.3639



40.0591, 29.5843, 58.8575



17.2216, 16.7695, 17.3002



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



34.6914, 27.6000, 23.2378



54.3245, 39.8264, 29.7293



39.3721, 37.4644, 23.2471



10.6603, 10.6475, 11.1943



15.2011, 7.8300, 1.0028



0.7293, 0.3746, 0.0979



# Inverse Universe

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



34.6914, 27.6000, 23.2378



54.3245, 39.8264, 29.7293



32.1259, 35.6771, 60.4516



10.6603, 10.6475, 11.1943



15.2011, 7.8300, 1.0028



0.7293, 0.3746, 0.0979



# Previews

## White Background



This preview shows how the XYZ color 34.6907, 27.5986, 23.2373 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

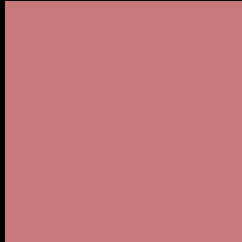
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.6907, 27.5986, 23.2373 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 34.6907, 27.5986, 23.2373**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.6907, 27.5986, 23.2373.



This preview shows how white text looks on a background with the XYZ color 34.6907, 27.5986,



# 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

34.6907, 27.5986, 23.2373

### Protanopia

26.6226, 27.7758, 28.0029

### Deuteranopia

28.1807, 27.6064, 22.5822



## Tritanopia

34.7663, 27.4354, 24.2321

# Trichromacy



## Original Color

34.6907, 27.5986, 23.2373

## Protanomaly

28.9034, 27.2647, 26.2935

## Deuteranomaly

30.2495, 27.4227, 22.7676

## Tritanomaly

34.7001, 27.4090, 23.8836

# Monochromacy



## Original Color

34.6907, 27.5986, 23.2373

## Achromatopsia

26.9133, 28.3149, 30.8349

## Achromatomaly

28.9087, 27.4426, 27.8181

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.6907, 27.5986, 23.2373 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(201, 121, 126)` looks like.

```
.text, #text, p{  
    color:rgb(201, 121, 126)  
}
```

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(201, 121, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 121, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 34.6907, 27.5986, 23.2373 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(201, 121, 126) }
```



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

```
.border{ border-color:rgb(201, 121, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 121, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 121, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 121, 126);  
box-shadow:4px 4px 4px 4px rgb(201, 121,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.6907, 27.5986, 23.2373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 121, 126) }
```

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

```
.background{ background-color: rgb(201,  
121, 126) }
```

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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