

# Converting Colors

XYZ(30.5948, 21.8998, 16.9943)

Have a look what the booklet for  
XYZ(30.5948, 21.8998, 16.9943)  
contains.

<b>XYZ(30.6812, 21.9816, 17.0938)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(30.6812, 21.9816,  
17.0938)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7626D
RGB	199, 98, 109
RGB Percent	78%, 38%, 43%
CMY	0.2196, 0.6157, 0.5725
CMYK	0.00, 0.51, 0.45, 0.22
HSL	353°, 47%, 58%
HSV	353°, 51%, 78%
XYZ	30.6812, 21.9816, 17.0938
YIQ	129.4530, 56.6650, 24.8330

# Conversions

## Conversions Part 2

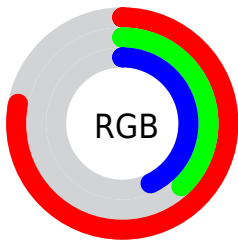
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 98, 109
Decimal	13066861
CIE <sub>Lab</sub>	54.01, 41.23, 12.81
CIE <sub>LCh</sub>	54, 43.178, 17.259
Yxy	21.9816, 0.4398, 0.3151
Android (android.graphics.Color)	4291256941 (0xFFC7626D)
YUV	129.4530, -10.0833, 60.9927
Hunter-Lab	46.8845, 34.7623, 11.2024

# Details

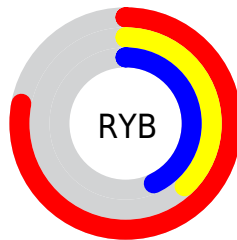
The XYZ color **30.6812, 21.9816, 17.0938** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **34.5387, 47.0749, 54.8459**, and the grayscale version is **21.0463, 22.1423, 24.1130**.

A 20% lighter version of the original color is **58.6518, 45.9313, 39.0320**, and **12.8310, 7.9645, 5.4185** is the 20% darker color. If you saturate the color by 10%, you get **28.1850, 18.3659, 12.0175**, and if you desaturate by 10%, it is **33.8340, 26.6022, 23.3395**.

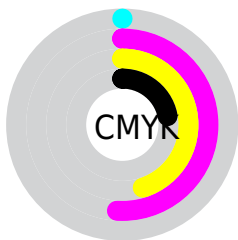
# Distribution



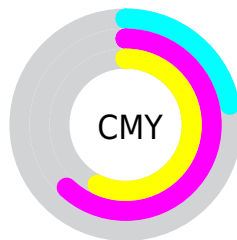
- Red (78%)
- Green (38%)
- Blue (43%)



- Red (78%)
- Yellow (38%)
- Blue (43%)



- Cyan (0%)
- Magenta (51%)
- Yellow (45%)
- Black (22%)




- Cyan (22%)
- Magenta (62%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6812, 21.9816, 17.0938 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 30.6812, 21.9816, 17.0938 by changing the saturation by 10% instead.




 30.6812, 21.9816,  
17.0938


 30.6812, 21.9816,  
17.0938

296.9201,  
262.4502, 247.7746


 20.5068, 13.8434,  
10.1387


 60.1171, 46.7156,  
39.2798

 12.8744, 8.0118,  
5.3842


 80.1093, 64.0801,  
55.3479

 7.4185, 4.1025,  
2.4118


 104.1048, 85.2889,  
75.2907

 3.7738, 1.7311,  
0.7928

 132.4691,  
110.7263, 99.5267

 1.5750, 0.4437,  
0.0000

165.5674,  
140.7768, 128.4746

 0.3760, 0.0000,  
0.0000

203.7651,

 0.0000, 0.0000,

175.8246, 162.5528

0.0000

247.4275,  
216.2543, 202.1800

■ 30.6812, 21.9816,  
17.0938

■ 30.6812, 21.9816,  
17.0938

■ 28.1850, 18.3659,  
12.0175

■ 33.8340, 26.6022,  
23.3395

■ 26.2970, 15.6772,  
8.0365

■ 37.6837, 32.2914,  
30.8202

■ 24.9650, 13.8316,  
5.0697

■ 42.2695, 39.1115,  
39.5978

■ 24.1270, 12.7284,  
3.0245

■ 47.6269, 47.1190,  
49.7300

■ 23.6948, 12.1987,  
1.8479

■ 53.7894, 56.3667,  
61.2708

■ 60.7883, 66.9044,  
74.2712

■ 68.6534, 78.7788,  
88.7799

■ 76.7052, 90.6189,  
104.6073

■ 77.3632, 90.8821,  
108.0723

# Harmonies

## Analogous

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



30.9182, 21.9816, 30.0576



30.6812, 21.9816, 17.0938



27.5899, 21.9816, 9.5922

# Triad

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



30.6812, 21.9816, 17.0938



14.9740, 21.9816, 10.3917



18.9767, 21.9816, 58.7449

# Complementary

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



30.6812, 21.9816, 17.0938



34.5387, 47.0749, 54.8459

# 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.



15.3780, 21.9816, 48.1882



30.6812, 21.9816, 17.0938



13.3092, 21.9816, 18.7047

# Square

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



30.6812, 21.9816, 17.0938



18.3433, 21.9816, 6.8307



13.4452, 21.9816, 32.3922



23.6683, 21.9816, 57.7964



# Rectangle

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



30.6812, 21.9816, 17.0938



24.5551, 21.9816, 7.2014



13.4452, 21.9816, 32.3922



17.6142, 21.9816, 56.2973

# Sweetspot

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



30.6818, 21.9827, 17.0942



79.0282, 75.9728, 78.8456



35.2238, 23.4522, 56.7030



16.4893, 15.6248, 16.0701



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.



30.6818, 21.9827, 17.0942



48.9194, 31.5391, 20.1497



34.6640, 30.8360, 15.6817



10.6800, 10.6554, 11.2983



15.2525, 7.8506, 1.2737



0.7384, 0.3782, 0.1457



# Inverse Universe

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



30.6818, 21.9827, 17.0942



48.9194, 31.5391, 20.1497



27.9668, 31.9613, 58.7279



10.6800, 10.6554, 11.2983



15.2525, 7.8506, 1.2737

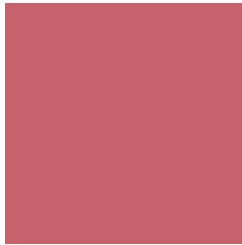


0.7384, 0.3782, 0.1457



# Previews

## White Background



This preview shows how the XYZ color 30.6812, 21.9816, 17.0938 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

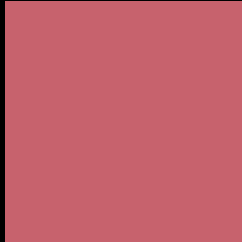
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 30.6812, 21.9816, 17.0938 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

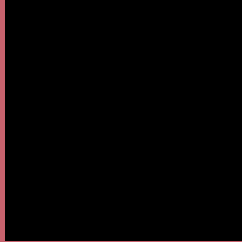
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 30.6812, 21.9816, 17.0938**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.6812, 21.9816, 17.0938.



This preview shows how white text looks on a background with the XYZ color 30.6812, 21.9816,



# 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

30.6812, 21.9816, 17.0938

### Protanopia

21.2248, 22.1677, 22.5622

### Deuteranopia

22.6459, 22.2665, 16.4689



## Tritanopia

30.6165, 22.1064, 16.2890

# Trichromacy



## Original Color

30.6812, 21.9816, 17.0938

## Protanomaly

23.7128, 21.4569, 20.3446

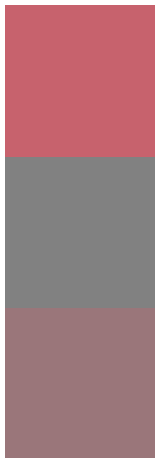
## Deuteranomaly

24.8807, 21.6269, 16.4987

## Tritanomaly

30.6689, 22.1273, 16.5645

# Monochromacy



## Original Color

30.6812, 21.9816, 17.0938

## Achromatopsia

20.8660, 21.9526, 23.9064

## Achromatomaly

23.3177, 21.2320, 21.2816

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.6812, 21.9816, 17.0938 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(199, 98, 109)` looks like.

```
.text, #text, p{  
    color:rgb(199, 98, 109)  
}
```

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(199, 98, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 98, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 30.6812, 21.9816, 17.0938 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(199, 98, 109) }
```



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

```
.border{ border-color:rgb(199, 98, 109) }
```

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

Here you see how a box with a 4 pixel rgb(199, 98, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 98, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 98, 109);  
box-shadow:4px 4px 4px 4px rgb(199, 98,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.6812, 21.9816, 17.0938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 98, 109) }
```

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

```
.background{ background-color: rgb(199, 98,  
109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor