

# Converting Colors

XYZ(36.2638, 29.0946, 21.1347)

Have a look what the booklet for  
XYZ(36.2638, 29.0946, 21.1347)  
contains.

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# Color

**XYZ(36.2696, 29.0126,  
21.1411)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF7C77
RGB	207, 124, 119
RGB Percent	81%, 49%, 47%
CMY	0.1882, 0.5137, 0.5333
CMYK	0.00, 0.40, 0.43, 0.19
HSL	3°, 48%, 64%
HSV	3°, 43%, 81%
XYZ	36.2696, 29.0126, 21.1411
YIQ	148.2470, 51.0730, 16.0410

# Conversions

## Conversions Part 2

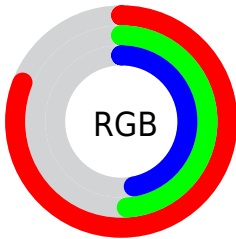
<b>Format</b>	<b>Color</b>
<b>RYB</b>	207, 124, 119
Decimal	13597815
CIELab	60.79, 31.66, 16.59
CIELCh	61, 35.744, 27.653
Yxy	29.0126, 0.4197, 0.3357
Android (android.graphics.Color)	4291787895 (0xFFCF7C77)
YUV	148.2470, -14.4188, 51.5264
Hunter-Lab	53.8633, 25.9345, 14.4333

# Details

The XYZ color **36.2696, 29.0126, 21.1411** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **39.9898, 50.6659, 66.7034**, and the grayscale version is **28.2955, 29.7691, 32.4185**.

A 20% lighter version of the original color is **64.5111, 56.0411, 45.9450**, and **16.0976, 11.7040, 7.3719** is the 20% darker color. If you saturate the color by 10%, you get **32.9501, 24.1511, 14.5549**, and if you desaturate by 10%, it is **40.3457, 34.9540, 29.3158**.

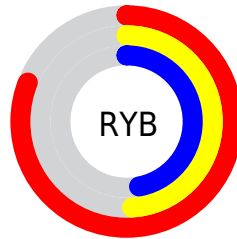
# Distribution



Red (81%)

Green (49%)

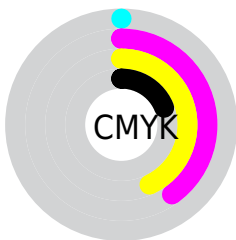
Blue (47%)



Red (81%)

Yellow (49%)

Blue (47%)

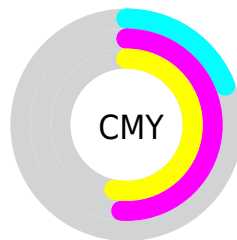


Cyan (0%)

Magenta (40%)

Yellow (43%)

Black (19%)



Cyan (19%)

Magenta (51%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2696, 29.0126, 21.1411 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 36.2696, 29.0126, 21.1411 by changing the saturation by 10% instead.



36.2696, 29.0126,  
21.1411

36.2696, 29.0126,  
21.1411

321.5481,  
297.2744, 270.8331

24.8136, 19.0904,  
13.0349

68.7691, 58.0971,  
46.2061

16.0662, 11.7356,  
7.3216

90.5433, 78.0282,  
64.0020

9.6622, 6.5639,  
3.5825

116.4876,  
102.0643, 85.8649

5.2361, 3.1909,  
1.3992

146.9674,  
130.5898, 112.2133

2.4226, 1.2322,  
0.1411

182.3480,  
163.9892, 143.4658

0.8564, 0.0878,  
0.0000

222.9947,

0.0000, 0.0000,

202.6468, 180.0409

0.0000

269.2730,  
246.9471, 222.3571

■ 36.2696, 29.0126,  
21.1411

■ 36.2696, 29.0126,  
21.1411

■ 32.9501, 24.1511,  
14.5549

■ 40.3457, 34.9540,  
29.3158

■ 30.3384, 20.3005,  
9.4523

■ 45.2187, 42.0301,  
39.1712

■ 28.3837, 17.3908,  
5.7187


■ 50.9287, 50.2972,  
50.7945


■ 27.0273, 15.3413,  
3.2219

■ 57.5125, 59.8067,  
64.2662

■ 26.2001, 14.0576,  
1.8034

■ 65.0045, 70.6068,  
79.6622

 25.8609, 13.5229,  
1.2472

 73.4376, 82.7434,  
97.0537

 79.5422, 92.0054,  
108.1742

# Harmonies

## Analogous

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



37.4992, 29.0126, 32.6490



36.2696, 29.0126, 21.1411



32.6368, 29.0126, 14.5302

# Triad

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



36.2696, 29.0126, 21.1411



20.6960, 29.0126, 19.7830



27.2114, 29.0126, 64.6684

# Complementary

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



36.2696, 29.0126, 21.1411



39.9898, 50.6659, 66.7034

# 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.



23.0667, 29.0126, 58.5089



36.2696, 29.0126, 21.1411



19.5781, 29.0126, 30.5538

# Square

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



36.2696, 29.0126, 21.1411



23.6337, 29.0126, 13.9149



20.3954, 29.0126, 45.0141



31.9331, 29.0126, 60.1031



# Rectangle

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



36.2696, 29.0126, 21.1411



29.5302, 29.0126, 12.6087



20.3954, 29.0126, 45.0141



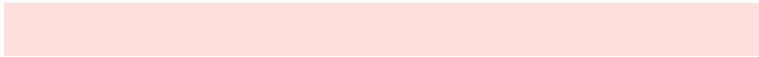
25.7092, 29.0126, 63.7534

# Sweetspot

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



36.2703, 29.0140, 21.1417



80.9893, 79.6950, 80.1160



43.0610, 30.7520, 59.9166



16.8762, 16.3942, 16.2125



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.



36.2703, 29.0140, 21.1417



53.2368, 39.3360, 24.1720



42.9542, 42.3818, 23.3696



11.8619, 11.9145, 12.2866



16.3163, 8.5656, 0.7934



0.9317, 0.5177, 0.0508



# Inverse Universe

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



39.9898, 50.6659, 66.7034



59.9459, 78.4676, 106.5940



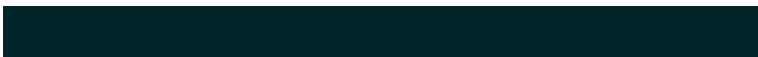
31.1999, 33.0861, 63.7734



12.0984, 13.2871, 15.1707



19.4474, 27.5413, 41.4835

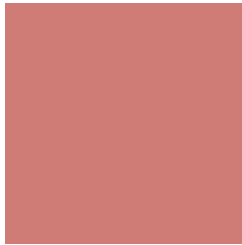


1.1053, 1.5758, 2.3255



# Previews

## White Background



This preview shows how the XYZ color 36.2696, 29.0126, 21.1411 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

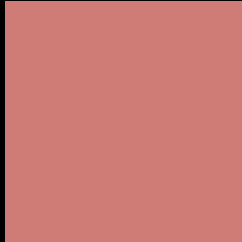
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.2696, 29.0126, 21.1411 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

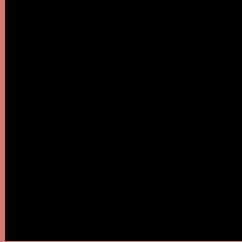
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 36.2696, 29.0126, 21.1411**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.2696, 29.0126, 21.1411.



This preview shows how white text looks on a background with the XYZ color 36.2696, 29.0126,



# 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

36.2696, 29.0126, 21.1411

### Protanopia

27.7894, 29.3492, 25.3194

### Deuteranopia

29.6905, 29.0814, 20.5714



## Tritanopia

37.0687, 28.9677, 25.1103

# Trichromacy



## Original Color

36.2696, 29.0126, 21.1411

## Protanomaly

30.2321, 28.8558, 23.7150

## Deuteranomaly

31.8824, 28.9266, 20.7326

## Tritanomaly

36.9261, 29.1081, 23.7509

# Monochromacy



## Original Color

36.2696, 29.0126, 21.1411

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

30.1102, 28.7064, 27.6208

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.2696, 29.0126, 21.1411 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(207, 124, 119)` looks like.

```
.text, #text, p{  
    color:rgb(207, 124, 119)  
}
```

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(207, 124, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 124, 119) }
```

## Border

The CSS property to change the border of an element to XYZ 36.2696, 29.0126, 21.1411 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(207, 124, 119) }
```



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

```
.border{ border-color:rgb(207, 124, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 124, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 124, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 124, 119);  
box-shadow:4px 4px 4px 4px rgb(207, 124,  
119) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.2696, 29.0126, 21.1411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 124, 119) }
```

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

```
.background{ background-color: rgb(207,  
124, 119) }
```

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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