

# Converting Colors

XYZ(37.2904, 30.5818, 23.4278)

Have a look what the booklet for  
XYZ(37.2904, 30.5818, 23.4278)  
contains.

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# Color

**XYZ(37.4164, 30.7113,  
23.3579)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CF827D
RGB	207, 130, 125
RGB Percent	81%, 51%, 49%
CMY	0.1882, 0.4902, 0.5098
CMYK	0.00, 0.37, 0.40, 0.19
HSL	4°, 46%, 65%
HSV	4°, 40%, 81%
XYZ	37.4164, 30.7113, 23.3579
YIQ	152.4530, 47.4970, 14.7690

# Conversions

## Conversions Part 2

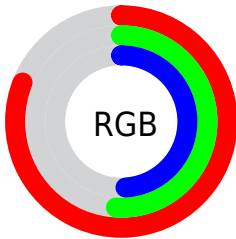
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 130, 125
Decimal	13599357
CIE Lab	62.26, 29.11, 15.21
CIE LCh	62, 32.841, 27.591
Yxy	30.7113, 0.4090, 0.3357
Android (android.graphics.Color)	4291789437 (0xFFCF827D)
YUV	152.4530, -13.5343, 47.8377
Hunter-Lab	55.4178, 23.5367, 13.8025

# Details

The XYZ color **37.4164, 30.7113, 23.3579** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **40.8395, 51.1040, 66.7430**, and the grayscale version is **30.0839, 31.6506, 34.4675**.

A 20% lighter version of the original color is **66.4164, 58.7553, 49.9599**, and **16.6782, 12.5978, 8.3901** is the 20% darker color. If you saturate the color by 10%, you get **33.8836, 25.5460, 16.3221**, and if you desaturate by 10%, it is **41.7147, 36.9665, 32.0090**.

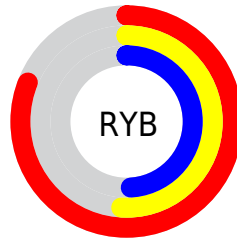
# Distribution



Red (81%)

Green (51%)

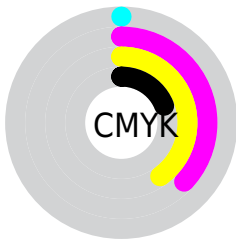
Blue (49%)



Red (81%)

Yellow (51%)

Blue (49%)

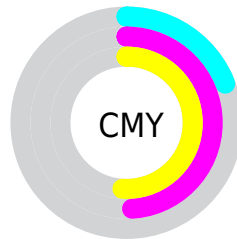


Cyan (0%)

Magenta (37%)

Yellow (40%)

Black (19%)



Cyan (19%)

Magenta (49%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4164, 30.7113, 23.3579 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 37.4164, 30.7113, 23.3579 by changing the saturation by 10% instead.





 37.4164, 30.7113,  
23.3579


 37.4164, 30.7113,  
23.3579


326.4341,  
305.2061, 282.7392


 25.7052, 20.3791,  
14.6502


 70.5224, 60.7853,  
49.9110

 16.7348, 12.6709,  
8.4304

 92.6480, 81.2958,  
68.5934

 10.1397, 7.2023,  
4.2799


 118.9757,  
105.9679, 91.4379

 5.5547, 3.5890,  
1.7801

149.8709,  
135.1860, 118.8629

 2.6143, 1.4464,  
0.4148

185.6990,  
169.3345, 151.2870

 0.9532, 0.2505,  
0.0000

226.8253,

 0.0000, 0.0000,

208.7977, 189.1287

0.0000

273.6153,  
253.9601, 232.8066

■ 37.4164, 30.7113,  
23.3579

■ 37.4164, 30.7113,  
23.3579

■ 33.8836, 25.5460,  
16.3221

■ 41.7147, 36.9665,  
32.0090

■ 31.0691, 21.4040,  
10.7997

■ 46.8173, 44.3642,  
42.3652

■ 28.9243, 18.2186,  
6.6802

■ 52.7633, 52.9590,  
54.5117

■ 27.3932, 15.9131,  
3.8372

■ 59.5883, 62.8007,  
68.5274

■ 26.4111, 14.3993,  
2.1214

■ 67.3261, 73.9362,  
84.4867

■ 25.8854, 13.5649,  
1.2770

■ 76.0087, 86.4102,  
102.4598

■ 25.8714, 13.5439,  
1.2507

■ 79.5421, 92.0054,  
108.1742

# Harmonies

## Analogous

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



38.5631, 30.7113, 34.4759



37.4164, 30.7113, 23.3579



34.0018, 30.7113, 16.7720

# Triad

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



37.4164, 30.7113, 23.3579



22.5682, 30.7113, 21.9866



28.8334, 30.7113, 64.2456

# Complementary

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



37.4164, 30.7113, 23.3579



40.8395, 51.1040, 66.7430

# 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.



24.8554, 30.7113, 58.5774



37.4164, 30.7113, 23.3579



21.4742, 30.7113, 32.4238

# Square

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



37.4164, 30.7113, 23.3579



25.4170, 30.7113, 16.1326



22.2677, 30.7113, 46.0703



33.3194, 30.7113, 60.0811



# Rectangle

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



37.4164, 30.7113, 23.3579



31.0606, 30.7113, 14.8131



22.2677, 30.7113, 46.0703



27.3963, 30.7113, 63.4013

# Sweetspot

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



37.4172, 30.7128, 23.3585



82.0180, 81.2019, 82.1565



43.8334, 32.2399, 60.3500



17.2785, 16.9808, 17.0191



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.



37.4172, 30.7128, 23.3585



54.8344, 41.7191, 27.2082



43.8274, 43.5332, 25.4952



11.8658, 11.9223, 12.2879



16.3239, 8.5808, 0.7959



0.9335, 0.5214, 0.0514



# Inverse Universe

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



40.8395, 51.1040, 66.7430



61.0829, 79.0202, 106.6408



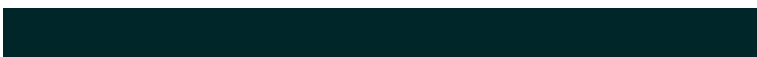
32.6229, 34.6707, 64.0041



12.0940, 13.2783, 15.1692



19.3276, 27.3018, 41.4436



1.0998, 1.5648, 2.3236



# Previews

## White Background



This preview shows how the XYZ color 37.4164, 30.7113, 23.3579 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

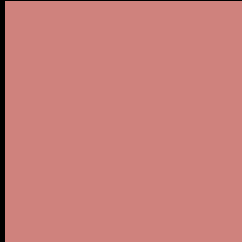
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.4164, 30.7113, 23.3579 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 ✓ Pass

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

**XYZ 37.4164, 30.7113, 23.3579**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.4164, 30.7113, 23.3579.



This preview shows how white text looks on a background with the XYZ color 37.4164, 30.7113,



# 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

37.4164, 30.7113, 23.3579

### Protanopia

29.1841, 30.7301, 27.3150

### Deuteranopia

31.3174, 30.7699, 22.7009



## Tritanopia

38.3190, 30.6832, 27.9476

# Trichromacy



## Original Color

37.4164, 30.7113, 23.3579

## Protanomaly

31.5984, 30.3976, 25.6746

## Deuteranomaly

33.4468, 30.7510, 22.9116

## Tritanomaly

38.0963, 30.8039, 26.1281

# Monochromacy



## Original Color

37.4164, 30.7113, 23.3579

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

31.8690, 30.6702, 29.8314

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.4164, 30.7113, 23.3579 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, 130, 125)` looks like.

```
.text, #text, p{  
    color:rgb(207, 130, 125)  
}
```

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, 130, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 130, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 37.4164, 30.7113, 23.3579 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, 130, 125) }
```



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

```
.border{ border-color:rgb(207, 130, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 130, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(207, 130, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(207, 130, 125); box-shadow:4px 4px 4px 4px rgb(207, 130, 125) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.4164, 30.7113, 23.3579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 130, 125) }
```

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

```
.background{ background-color: rgb(207,  
130, 125) }
```

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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