

# Converting Colors

XYZ(37.0835, 28.9001, 27.3887)

Have a look what the booklet for  
XYZ(37.0835, 28.9001, 27.3887)  
contains.

<b>XYZ(37.2070, 28.9906, 27.3016)</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(37.2070, 28.9906,  
27.3016)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CF7A89
RGB	207, 122, 137
RGB Percent	81%, 48%, 54%
CMY	0.1882, 0.5215, 0.4627
CMYK	0.00, 0.41, 0.34, 0.19
HSL	349°, 47%, 65%
HSV	349°, 41%, 81%
XYZ	37.2070, 28.9906, 27.3016
YIQ	149.1250, 45.8450, 22.6850

# Conversions

## Conversions Part 2

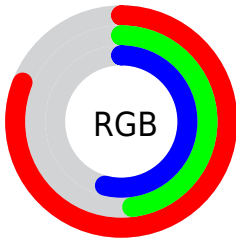
Format	Color
R <sub>Y</sub> B	207, 122, 137
Decimal	13597321
CIE Lab	60.77, 34.84, 6.25
CIE LCh	61, 35.399, 10.171
Yxy	28.9906, 0.3979, 0.3101
Android (android.graphics.Color)	4291787401 (0xFFCF7A89)
YUV	149.1250, -5.9776, 50.7564
Hunter-Lab	53.8429, 29.1235, 7.6264

# Details

The XYZ color **37.2070, 28.9906, 27.3016** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **39.8546, 52.5697, 57.9184**, and the grayscale version is **28.6313, 30.1223, 32.8032**.

A 20% lighter version of the original color is **66.0596, 56.0284, 56.0480**, and **16.5512, 11.6786, 10.3987** is the 20% darker color. If you saturate the color by 10%, you get **33.8029, 23.9872, 20.6027**, and if you desaturate by 10%, it is **41.3473, 35.1568, 35.1999**.

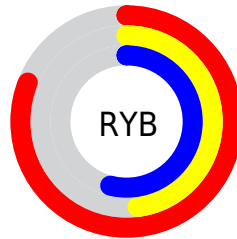
# Distribution



Red (81%)

Green (48%)

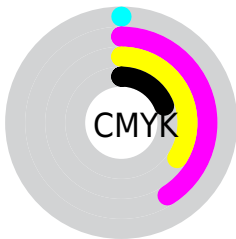
Blue (54%)



Red (81%)

Yellow (48%)

Blue (54%)

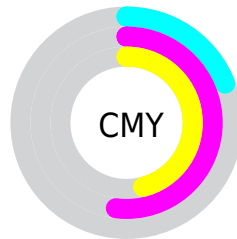


Cyan (0%)

Magenta (41%)

Yellow (34%)

Black (19%)



Cyan (19%)

Magenta (52%)


Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2070, 28.9906, 27.3016 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 37.2070, 28.9906, 27.3016 by changing the saturation by 10% instead.





 37.2070, 28.9906,  
27.3016


 37.2070, 28.9906,  
27.3016


325.5458,  
297.1706, 302.9207


 25.5422, 19.0737,  
17.5654


 70.2028, 58.0622,  
56.3771

 16.6124, 11.7236,  
10.4722


 92.2645, 77.9856,  
76.5534

 10.0521, 6.5557,  
5.6035


 118.5226,  
102.0134, 101.0470

 5.4960, 3.1858,  
2.5407

149.3424,  
130.5298, 130.2762

 2.5789, 1.2295,  
0.8616

185.0893,  
163.9194, 164.6596

 0.9352, 0.0856,  
0.0000

226.1286,

 0.0000, 0.0000,

202.5664, 204.6158

0.0000

272.8256,  
246.8554, 250.5633

■ 37.2070, 28.9906,  
27.3016

■ 37.2070, 28.9906,  
27.3016

■ 33.8029, 23.9872,  
20.6027

■ 41.3473, 35.1568,  
35.1999

■ 31.0888, 20.0692,  
15.0421

■ 46.2614, 42.5480,  
44.3508

■ 29.0170, 17.1568,  
10.5561

■ 51.9873, 51.2274,  
54.8067

■ 27.5327, 15.1573,  
7.0737

■ 58.5597, 61.2522,  
66.6161

■ 26.5712, 13.9604,  
4.5148

■ 66.0114, 72.6765,  
79.8254

■ 26.0586, 13.3960,  
2.9232

■ 74.3732, 85.5512,  
94.4784

■ 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.



36.7383, 28.9906, 40.9591



37.2070, 28.9906, 27.3016



34.8789, 28.9906, 17.8856

# Triad

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



37.2070, 28.9906, 27.3016



22.2351, 28.9906, 15.8996



24.6627, 28.9906, 61.8850

# Complementary

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



37.2070, 28.9906, 27.3016



39.8546, 52.5697, 57.9184

# 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.



21.3351, 28.9906, 50.8825



37.2070, 28.9906, 27.3016



20.0453, 28.9906, 23.7311

# Square

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



37.2070, 28.9906, 27.3016



26.0225, 28.9906, 12.6247



19.7352, 28.9906, 36.2525



29.1459, 28.9906, 63.6297



# Rectangle

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



37.2070, 28.9906, 27.3016



32.1913, 28.9906, 14.2989



19.7352, 28.9906, 36.2525



23.3861, 28.9906, 59.0266

# Sweetspot

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



37.2078, 28.9920, 27.3022



82.2579, 80.4884, 85.9151



39.8138, 29.5561, 62.6380



17.3346, 16.8147, 17.8955



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.



37.2078, 28.9920, 27.3022



54.9045, 39.5087, 34.4784



39.9802, 36.1404, 23.2828



11.8927, 11.8418, 12.7106



16.4428, 8.4500, 1.9722



0.9459, 0.4831, 0.2501



# Inverse Universe

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



37.2078, 28.9920, 27.3022



54.9045, 39.5087, 34.4784



35.6278, 41.3199, 65.1293



11.8927, 11.8418, 12.7106



16.4428, 8.4500, 1.9722



0.9459, 0.4831, 0.2501



# Previews

## White Background



This preview shows how the XYZ color 37.2070, 28.9906, 27.3016 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

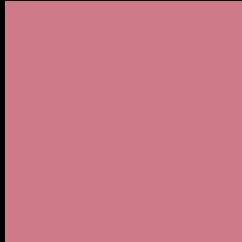
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 37.2070, 28.9906, 27.3016 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 37.2070, 28.9906, 27.3016**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.2070, 28.9906, 27.3016.



This preview shows how white text looks on a background with the XYZ color 37.2070, 28.9906,



# 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

37.2070, 28.9906, 27.3016

### Protanopia

28.2592, 29.1817, 33.4214

### Deuteranopia

29.7020, 29.1742, 26.6200



## Tritanopia

36.9799, 29.0973, 25.4971

# Trichromacy



## Original Color

37.2070, 28.9906, 27.3016

## Protanomaly

30.7115, 28.5127, 31.0790

## Deuteranomaly

32.0932, 28.9010, 26.8086

## Tritanomaly

37.1182, 29.1525, 26.2249

# Monochromacy



## Original Color

37.2070, 28.9906, 27.3016

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

30.9210, 29.0556, 30.7666

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.2070, 28.9906, 27.3016 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, 122, 137)` looks like.

```
.text, #text, p{  
    color:rgb(207, 122, 137)  
}
```

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, 122, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 122, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 37.2070, 28.9906, 27.3016 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, 122, 137) }
```



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

```
.border{ border-color:rgb(207, 122, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 122, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 122, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 122, 137);  
box-shadow:4px 4px 4px 4px rgb(207, 122,  
137) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.2070, 28.9906, 27.3016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 122, 137) }
```

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

```
.background{ background-color: rgb(207,  
122, 137) }
```

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