

# Converting Colors

XYZ(37.8989, 29.8344, 30.5502)

Have a look what the booklet for  
XYZ(37.8989, 29.8344, 30.5502)  
contains.

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# Color

**XYZ(37.8980, 29.8334,  
30.5490)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CE7D91
RGB	206, 125, 145
RGB Percent	81%, 49%, 57%
CMY	0.1922, 0.5098, 0.4314
CMYK	0.00, 0.39, 0.30, 0.19
HSL	345°, 45%, 65%
HSV	345°, 39%, 81%
XYZ	37.8980, 29.8334, 30.5490
YIQ	151.4990, 41.8560, 23.3920

# Conversions

## Conversions Part 2

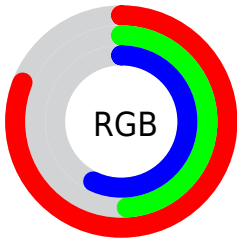
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 125, 145
Decimal	13532561
CIE <sub>Lab</sub>	61.51, 33.92, 2.71
CIE <sub>LCh</sub>	62, 34.025, 4.564
Yxy	29.8334, 0.3856, 0.3036
Android (android.graphics.Color)	4291722641 (0xFFCE7D91)
YUV	151.4990, -3.2040, 47.7974
Hunter-Lab	54.6200, 28.2671, 5.0730

# Details

The XYZ color **37.8980, 29.8334, 30.5490** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **39.3930, 52.0484, 54.4272**, and the grayscale version is **29.6309, 31.1740, 33.9484**.

A 20% lighter version of the original color is **67.6689, 57.6237, 61.5888**, and **17.0920, 12.2078, 12.2820** is the 20% darker color. If you saturate the color by 10%, you get **34.4397, 24.7023, 23.8916**, and if you desaturate by 10%, it is **42.0621, 36.1144, 38.2484**.

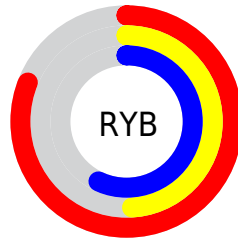
# Distribution



Red (81%)

Green (49%)

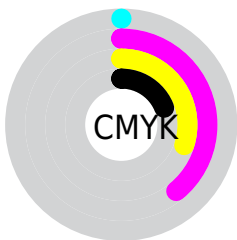
Blue (57%)



Red (81%)

Yellow (49%)

Blue (57%)

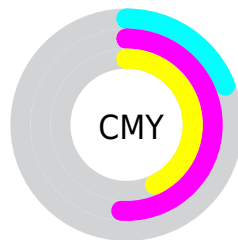


Cyan (0%)

Magenta (39%)

Yellow (30%)

Black (19%)



Cyan (19%)

Magenta (51%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8980, 29.8334, 30.5490 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 37.8980, 29.8334, 30.5490 by changing the saturation by 10% instead.





 37.8980, 29.8334,  
30.5490


 37.8980, 29.8334,  
30.5490


328.4706,  
301.1271, 318.7418


 26.0804, 19.7122,  
20.0001


 71.2567, 59.3986,  
61.6005

 17.0168, 12.1860,  
12.2110

 93.5285, 79.6114,  
82.9403

 10.3418, 6.8705,  
6.7633


 120.0157,  
103.9568, 108.7140

 5.6902, 3.3812,  
3.2383

151.0837,  
132.8192, 139.3403

 2.6965, 1.3339,  
1.2176

187.0978,  
166.5831, 175.2376

 0.9954, 0.1672,  
0.0000

228.4234,

 0.0000, 0.0000,

205.6327, 216.8247

0.0000

275.4259,  
250.3526, 264.5198

■ 37.8980, 29.8334,  
30.5490

■ 37.8980, 29.8334,  
30.5490

■ 34.4397, 24.7023,  
23.8916

■ 42.0621, 36.1144,  
38.2484

■ 31.6445, 20.6466,  
18.2285

■ 46.9666, 43.6049,  
47.0309

■ 29.4688, 17.5902,  
13.5109


■ 52.6467, 52.3657,  
56.9376


■ 27.8623, 15.4447,  
9.6847


■ 59.1345, 62.4522,  
68.0069


■ 26.7666, 14.1063,  
6.6898


■ 66.4603, 73.9165,  
80.2752

 26.0867, 13.3995,  
4.4501

 74.6530, 86.8079,  
93.7774

 26.0479, 13.3595,  
4.3210

 79.0393, 91.7721,  
106.9802

 79.2636, 91.8618,  
108.1612

# Harmonies

## Analogous

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



36.9209, 29.8334, 44.3478



37.8980, 29.8334, 30.5490



36.1050, 29.8334, 20.3428

# Triad

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



37.8980, 29.8334, 30.5490



23.7193, 29.8334, 16.0361



24.7952, 29.8334, 60.4361

# Complementary

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



37.8980, 29.8334, 30.5490



39.3930, 52.0484, 54.4272

# 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.



21.8031, 29.8334, 48.6906



37.8980, 29.8334, 30.5490



21.2297, 29.8334, 22.9498

# Square

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



37.8980, 29.8334, 30.5490



27.6720, 29.8334, 13.4970



20.5669, 29.8334, 34.4980



29.0507, 29.8334, 64.0241



# Rectangle

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



37.8980, 29.8334, 30.5490



33.6812, 29.8334, 16.1718



20.5669, 29.8334, 34.4980



23.6235, 29.8334, 57.1821

# Sweetspot

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



37.8988, 29.8348, 30.5496



82.5623, 80.6102, 87.5177



38.6643, 29.5329, 62.0551



17.4058, 16.8432, 18.2702



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.



37.8988, 29.8348, 30.5496



56.6926, 41.3369, 40.4629



39.3199, 34.9312, 24.0740



11.3240, 11.2583, 12.2409



16.0723, 8.2395, 2.8337



0.8603, 0.4375, 0.3103



# Inverse Universe

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



37.8988, 29.8348, 30.5496



56.6926, 41.3369, 40.4629



37.1054, 43.8298, 64.8968



11.3240, 11.2583, 12.2409



16.0723, 8.2395, 2.8337

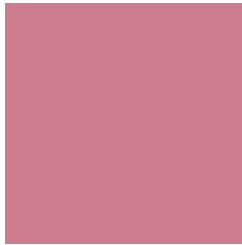


0.8603, 0.4375, 0.3103



# Previews

## White Background



This preview shows how the XYZ color 37.8980, 29.8334, 30.5490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

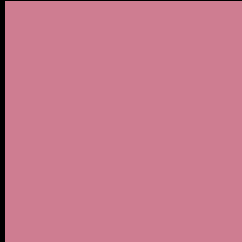
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 37.8980, 29.8334, 30.5490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

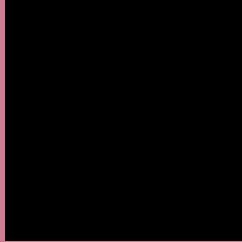
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.8980, 29.8334, 30.5490**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.8980, 29.8334, 30.5490.



This preview shows how white text looks on a background with the XYZ color 37.8980, 29.8334,



# 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

37.8980, 29.8334, 30.5490

### Protanopia

29.1559, 30.0380, 36.6090

### Deuteranopia

30.5816, 30.0065, 29.7712



## Tritanopia

37.2101, 29.9355, 27.1095

# Trichromacy



## Original Color

37.8980, 29.8334, 30.5490

## Protanomaly

31.7054, 29.6021, 34.1797

## Deuteranomaly

32.9596, 29.6982, 29.9818

## Tritanomaly

37.2979, 29.7649, 28.2055

# Monochromacy



## Original Color

37.8980, 29.8334, 30.5490

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

32.1111, 30.2866, 32.5872

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.8980, 29.8334, 30.5490 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(206, 125, 145)` looks like.

```
.text, #text, p{  
    color:rgb(206, 125, 145)  
}
```

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(206, 125, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 125, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 37.8980, 29.8334, 30.5490 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(206, 125, 145) }
```



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

```
.border{ border-color:rgb(206, 125, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 125, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 125, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 125, 145);  
box-shadow:4px 4px 4px 4px rgb(206, 125,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.8980, 29.8334, 30.5490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 125, 145) }
```

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

```
.background{ background-color: rgb(206,  
125, 145) }
```

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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