

# Converting Colors

XYZ(37.7463, 28.8499, 36.4766)

Have a look what the booklet for  
XYZ(37.7463, 28.8499, 36.4766)  
contains.

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# Color

**XYZ(37.7240, 28.8745,  
36.3859)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CB799F
RGB	203, 121, 159
RGB Percent	80%, 47%, 62%
CMY	0.2039, 0.5255, 0.3765
CMYK	0.00, 0.40, 0.22, 0.20
HSL	332°, 44%, 64%
HSV	332°, 40%, 80%
XYZ	37.7240, 28.8745, 36.3859
YIQ	149.8500, 36.6740, 29.2020

# Conversions

## Conversions Part 2

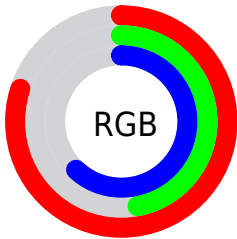
Format	Color
R <sub>Y</sub> B	203, 121, 159
Decimal	13334943
CIE Lab	60.67, 36.97, -6.60
CIE LCh	61, 37.555, 349.882
Yxy	28.8745, 0.3663, 0.2804
Android (android.graphics.Color)	4291525023 (0xFFCB799F)
YUV	149.8500, 4.5110, 46.6126
Hunter-Lab	53.7350, 31.2775, -2.5329

# Details

The XYZ color **37.7240, 28.8745, 36.3859** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **36.0340, 49.4942, 43.2540**, and the grayscale version is **28.8973, 30.4022, 33.1080**.

A 20% lighter version of the original color is **68.7076, 56.7750, 70.9557**, and **16.9296, 11.6661, 15.5468** is the 20% darker color. If you saturate the color by 10%, you get **34.6077, 24.0883, 30.8870**, and if you desaturate by 10%, it is **41.4444, 34.7348, 42.4978**.

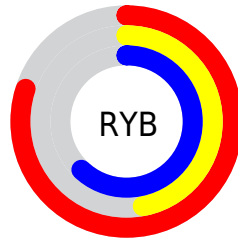
# Distribution



Red (80%)

Green (47%)

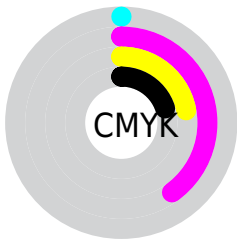
Blue (62%)



Red (80%)

Yellow (47%)

Blue (62%)

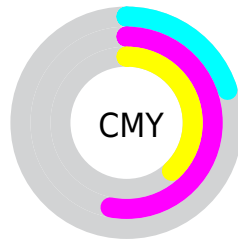


Cyan (0%)

Magenta (40%)

Yellow (22%)

Black (20%)



Cyan (20%)

Magenta (53%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7240, 28.8745, 36.3859 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 37.7240, 28.8745, 36.3859 by changing the saturation by 10% instead.





 37.7240, 28.8745,  
36.3859


 37.7240, 28.8745,  
36.3859


327.7359,  
296.6224, 345.7324


 25.9448, 18.9859,  
24.4403


 70.9915, 57.8776,  
70.8030

 16.9148, 11.6601,  
15.4454


 93.2106, 77.7610,  
94.1116

 10.2687, 6.5127,  
8.9825


 119.6403,  
101.7446, 122.0450

 5.6411, 3.1592,  
4.6331

150.6459,  
130.2131, 155.0217

 2.6667, 1.2154,  
1.9787

186.5930,  
163.5507, 193.4603

 0.9800, 0.0743,  
0.5421

227.8468,

 0.0000, 0.0000,

202.1418, 237.7792

0.0000

274.7726,  
246.3709, 288.3971

■ 37.7240, 28.8745,  
36.3859

■ 37.7240, 28.8745,  
36.3859

■ 34.6077, 24.0883,  
30.8870

■ 41.4444, 34.7348,  
42.4978

■ 32.0579, 20.3057,  
25.9772

■ 45.7984, 41.7260,  
49.2418

■ 30.0367, 17.4540,  
21.6332


■ 50.8164, 49.9054,  
56.6382


■ 28.5001, 15.4487,  
17.8287


■ 56.5263, 59.3257,  
64.7058


■ 27.3962, 14.1900,  
14.5344


■ 62.9542, 70.0360,  
73.4625

 26.6521, 13.5059,  
11.8077

 70.1247, 82.0830,  
82.9253

 75.4209, 90.2294,  
92.2307

 77.0459, 90.8794,  
100.7881

 78.4387, 91.4366,  
108.1226

# Harmonies

## Analogous

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



35.2390, 28.8745, 52.0596



37.7240, 28.8745, 36.3859



37.2168, 28.8745, 23.1789

# Triad

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



37.7240, 28.8745, 36.3859



24.3839, 28.8745, 12.3734



21.8461, 28.8745, 56.7047

# Complementary

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



37.7240, 28.8745, 36.3859



36.0340, 49.4942, 43.2540

# 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.



19.5525, 28.8745, 41.4608



37.7240, 28.8745, 36.3859



20.8932, 28.8745, 17.1410

# Square

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



37.7240, 28.8745, 36.3859



29.1211, 28.8745, 11.7503



19.2256, 28.8745, 26.9629



25.8332, 28.8745, 65.8840



# Rectangle

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



37.7240, 28.8745, 36.3859



35.2684, 28.8745, 17.1977



19.2256, 28.8745, 26.9629



20.8725, 28.8745, 51.9409

# Sweetspot

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



37.7248, 28.8759, 36.3865



83.5212, 80.9937, 92.5674



33.0798, 25.9590, 59.7673



17.6306, 16.9331, 19.4543



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.



37.7248, 28.8759, 36.3865



58.7928, 41.6137, 53.2590



35.2552, 28.4271, 21.7197



11.4250, 11.2987, 12.7726



17.0062, 8.6131, 7.7515



0.9155, 0.4596, 0.6010



# Inverse Universe

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



37.7248, 28.8759, 36.3865



58.7928, 41.6137, 53.2590



39.3817, 49.8097, 64.0388



11.4250, 11.2987, 12.7726



17.0062, 8.6131, 7.7515



0.9155, 0.4596, 0.6010



# Previews

## White Background



This preview shows how the XYZ color 37.7240, 28.8745, 36.3859 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

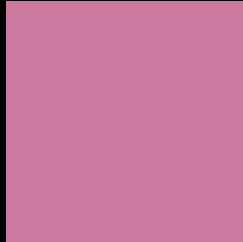
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 37.7240, 28.8745, 36.3859 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 37.7240, 28.8745, 36.3859**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.7240, 28.8745, 36.3859.



This preview shows how white text looks on a background with the XYZ color 37.7240, 28.8745,



# 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

37.7240, 28.8745, 36.3859

### Protanopia

28.8478, 29.0087, 44.6362

### Deuteranopia

29.4940, 28.8807, 35.0304



## Tritanopia

35.5262, 28.6959, 26.5881

# Trichromacy



## Original Color

37.7240, 28.8745, 36.3859

## Protanomaly

31.2754, 28.3654, 41.3628

## Deuteranomaly

31.9814, 28.4492, 35.2581

## Tritanomaly

36.3291, 28.8464, 30.0387

# Monochromacy



## Original Color

37.7240, 28.8745, 36.3859

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

31.3446, 29.2002, 34.1211

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.7240, 28.8745, 36.3859 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(203, 121, 159)` looks like.

```
.text, #text, p{  
    color:rgb(203, 121, 159)  
}
```

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(203, 121, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 121, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 37.7240, 28.8745, 36.3859 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(203, 121, 159) }
```



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

```
.border{ border-color:rgb(203, 121, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 121, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 121, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 121, 159);  
box-shadow:4px 4px 4px 4px rgb(203, 121,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.7240, 28.8745, 36.3859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 121, 159) }
```

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

```
.background{ background-color: rgb(203,  
121, 159) }
```

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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