

# Converting Colors

XYZ(35.8156, 28.5356, 23.6989)

Have a look what the booklet for  
XYZ(35.8156, 28.5356, 23.6989)  
contains.

<b>XYZ(35.8156, 28.5356, 23.6989)</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(35.8156, 28.5356,  
23.6989)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC7B7F
RGB	204, 123, 127
RGB Percent	80%, 48%, 50%
CMY	0.2000, 0.5176, 0.5020
CMYK	0.00, 0.40, 0.38, 0.20
HSL	357°, 44%, 64%
HSV	357°, 40%, 80%
XYZ	35.8156, 28.5356, 23.6989
YIQ	147.6750, 46.9920, 18.4160

# Conversions

## Conversions Part 2

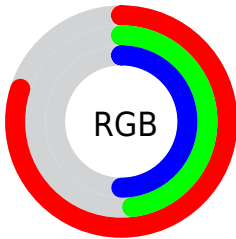
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 123, 127
Decimal	13400959
CIELab	60.37, 31.97, 11.37
CIELCh	60, 33.926, 19.574
Yxy	28.5356, 0.4068, 0.3241
Android (android.graphics.Color)	4291591039 (0xFFCC7B7F)
YUV	147.6750, -10.1928, 49.3970
Hunter-Lab	53.4187, 26.1960, 11.0894

# Details

The XYZ color **35.8156, 28.5356, 23.6989** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **40.1880, 51.5675, 62.4819**, and the grayscale version is **28.0411, 29.5014, 32.1270**.

A 20% lighter version of the original color is **65.2004, 55.9996, 50.5526**, and **15.7251, 11.3878, 8.5770** is the 20% darker color. If you saturate the color by 10%, you get **32.3989, 23.5340, 16.9129**, and if you desaturate by 10%, it is **40.0044, 34.6919, 31.9431**.

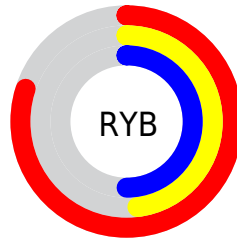
# Distribution



Red (80%)

Green (48%)

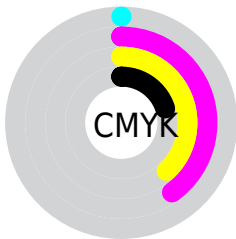
Blue (50%)



Red (80%)

Yellow (48%)

Blue (50%)

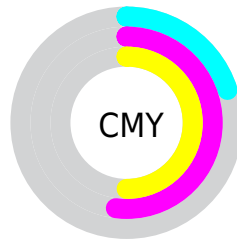


Cyan (0%)

Magenta (40%)

Yellow (38%)

Black (20%)



Cyan (20%)

Magenta (52%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8156, 28.5356, 23.6989 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 35.8156, 28.5356, 23.6989 by changing the saturation by 10% instead.





 35.8156, 28.5356,  
23.6989


 35.8156, 28.5356,  
23.6989


319.5992,  
295.0174, 284.5320

 24.4613, 18.7298,  
14.9003


 68.0731, 57.3384,  
50.4761

 15.8027, 11.4752,  
8.6036


 89.7069, 77.1042,  
69.2917

 9.4746, 6.3874,  
4.3903


 115.4980,  
100.9588, 92.2834

 5.1116, 3.0821,  
1.8418

145.8117,  
129.2866, 119.8697

 2.3483, 1.1747,  
0.4553

181.0133,  
162.4720, 152.4692

 0.8192, 0.0409,  
0.0000

221.4681,

 0.0000, 0.0000,

200.8993, 190.5004

0.0000

267.5417,  
244.9530, 234.3818

■ 35.8156, 28.5356,  
23.6989

■ 35.8156, 28.5356,  
23.6989

■ 32.3989, 23.5340,  
16.9129

■ 40.0044, 34.6919,  
31.9431

■ 29.7050, 19.6111,  
11.4987

■ 45.0061, 42.0642,  
41.7218

■ 27.6825, 16.6890,  
7.3632

■ 50.8613, 50.7143,  
53.1079

■ 26.2723, 14.6768,  
4.4013

■ 57.6073, 60.6989,  
66.1693

■ 25.4049, 13.4678,  
2.4910

■ 65.2790, 72.0710,  
80.9698

■ 24.9668, 12.8739,  
1.4748

■ 73.9097, 84.8809,  
97.5700

■ 24.9570, 12.8594,  
1.4557

■ 78.7119, 91.5774,  
108.1354

# Harmonies

## Analogous

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



36.2339, 28.5356, 35.6224



35.8156, 28.5356, 23.6989



32.9317, 28.5356, 16.1395

# Triad

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



35.8156, 28.5356, 23.6989



21.2263, 28.5356, 17.9537



25.6328, 28.5356, 61.1814

# Complementary

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



35.8156, 28.5356, 23.6989



40.1880, 51.5675, 62.4819

# 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.



22.0396, 28.5356, 53.1732



35.8156, 28.5356, 23.6989



19.6825, 28.5356, 26.9237

# Square

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



35.8156, 28.5356, 23.6989



24.4087, 28.5356, 13.4907



19.9634, 28.5356, 39.8310



30.0298, 28.5356, 59.6371



# Rectangle

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



35.8156, 28.5356, 23.6989



30.1554, 28.5356, 13.5609



19.9634, 28.5356, 39.8310



24.2996, 28.5356, 59.4486

# Sweetspot

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



35.8164, 28.5370, 23.6994



81.7183, 80.2726, 83.0735



41.7889, 30.7995, 60.8692



17.2087, 16.7644, 17.2326



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.



35.8164, 28.5370, 23.6994



54.2066, 39.7792, 29.1088



40.9536, 39.2200, 24.1524



11.2344, 11.2225, 11.7689



15.7183, 8.0979, 0.9694



0.8189, 0.4210, 0.0923



# Inverse Universe

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



35.8164, 28.5370, 23.6994



54.2066, 39.7792, 29.1088



32.9884, 36.4113, 62.4163



11.2344, 11.2225, 11.7689



15.7183, 8.0979, 0.9694

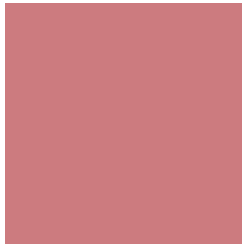


0.8189, 0.4210, 0.0923



# Previews

## White Background



This preview shows how the XYZ color 35.8156, 28.5356, 23.6989 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

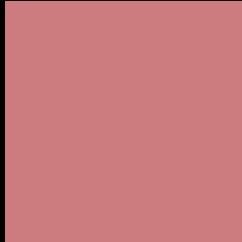
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.8156, 28.5356, 23.6989 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

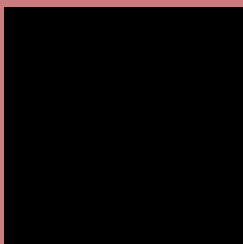
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.8156, 28.5356, 23.6989**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.8156, 28.5356, 23.6989.



This preview shows how white text looks on a background with the XYZ color 35.8156, 28.5356,



# 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

35.8156, 28.5356, 23.6989

### Protanopia

27.3633, 28.5989, 28.5040

### Deuteranopia

29.1646, 28.5362, 23.0397



## Tritanopia

35.9581, 28.3951, 25.0583

# Trichromacy



## Original Color

35.8156, 28.5356, 23.6989

## Protanomaly

29.8964, 28.1866, 26.7865

## Deuteranomaly

31.2828, 28.3546, 23.2262

## Tritanomaly

35.8906, 28.3681, 24.7030

# Monochromacy



## Original Color

35.8156, 28.5356, 23.6989

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

30.1147, 28.6835, 28.7602

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.8156, 28.5356, 23.6989 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(204, 123, 127)` looks like.

```
.text, #text, p{  
    color:rgb(204, 123, 127)  
}
```

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(204, 123, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 123, 127) }
```

## Border

The CSS property to change the border of an element to XYZ 35.8156, 28.5356, 23.6989 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(204, 123, 127) }
```



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

```
.border{ border-color:rgb(204, 123, 127) }
```

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

Here you see how a box with a 4 pixel rgb(204, 123, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 123, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 123, 127);  
box-shadow:4px 4px 4px 4px rgb(204, 123,  
127) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.8156, 28.5356, 23.6989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 123, 127) }
```

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

```
.background{ background-color: rgb(204,  
123, 127) }
```

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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