

# Converting Colors

XYZ(35.1859, 23.7935, 17.2730)

Have a look what the booklet for  
XYZ(35.1859, 23.7935, 17.2730)  
contains.

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# Color

**XYZ(35.0819, 23.7085,  
17.1952)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D85E6D
RGB	216, 94, 109
RGB Percent	85%, 37%, 43%
CMY	0.1529, 0.6313, 0.5725
CMYK	0.00, 0.56, 0.50, 0.15
HSL	353°, 61%, 61%
HSV	353°, 56%, 85%
XYZ	35.0819, 23.7085, 17.1952
YIQ	132.1880, 67.8970, 30.5290

# Conversions

## Conversions Part 2

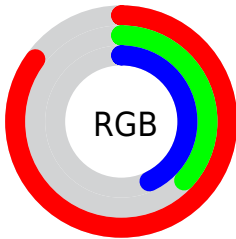
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 94, 109
Decimal	14179949
CIE Lab	55.79, 49.20, 15.68
CIE LCh	56, 51.639, 17.676
Yxy	23.7085, 0.4617, 0.3120
Android (android.graphics.Color)	4292370029 (0xFFD85E6D)
YUV	132.1880, -11.4317, 73.5031
Hunter-Lab	48.6914, 43.3985, 13.1459

# Details

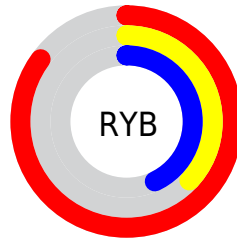
The XYZ color **35.0819, 23.7085, 17.1952** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted rose. A complement of this color would be **39.7160, 55.7089, 63.9219**, and the grayscale version is **22.0237, 23.1706, 25.2328**.

A 20% lighter version of the original color is **58.1751, 44.9779, 38.8731**, and **15.3053, 8.8668, 5.4622** is the 20% darker color. If you saturate the color by 10%, you get **32.5104, 20.0256, 11.8371**, and if you desaturate by 10%, it is **38.4117, 28.5565, 23.8909**.

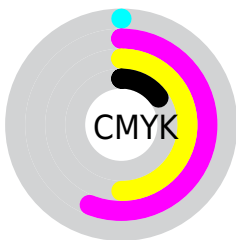
# Distribution



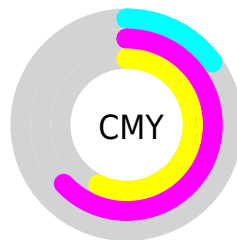
- Red (85%)
- Green (37%)
- Blue (43%)



- Red (85%)
- Yellow (37%)
- Blue (43%)



- Cyan (0%)
- Magenta (56%)
- Yellow (50%)
- Black (15%)




- Cyan (15%)
- Magenta (63%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0819, 23.7085, 17.1952 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 35.0819, 23.7085, 17.1952 by changing the saturation by 10% instead.





 35.0819, 23.7085,  
17.1952


 35.0819, 23.7085,  
17.1952

316.4314,  
271.3434, 248.3767


 23.8928, 15.1175,  
10.2103


 66.9458, 49.5541,  
39.4563

 15.3784, 8.9019,  
5.4312


 88.3513, 67.5775,  
55.5697

 9.1734, 4.6773,  
2.4393


 113.8930, 89.5139,  
75.5629

 4.9125, 2.0592,  
0.8077

 143.9362,  
115.7475, 99.8546

 2.2302, 0.6415,  
0.0000

178.8463,  
146.6629, 128.8633

 0.7586, 0.0000,  
0.0000

218.9886,

 0.0000, 0.0000,

182.6444, 163.0075

0.0000

264.7285,  
224.0765, 202.7058

■ 35.0819, 23.7085,  
17.1952

■ 35.0819, 23.7085,  
17.1952

■ 32.5104, 20.0256,  
11.8371

■ 38.4117, 28.5565,  
23.8909

■ 30.6351, 17.4061,  
7.7249

■ 42.5519, 34.6524,  
32.0049

■ 29.3868, 15.7372,  
4.7571

■ 47.5518, 42.0762,  
41.6131

■ 28.6789, 14.8750,  
2.8147

■ 53.4563, 50.8997,  
52.7855

■ 28.5114, 14.6759,  
2.3397

■ 60.3074, 61.1899,  
65.5876

■ 68.1441, 73.0094,  
80.0813

■ 77.0035, 86.4170,  
96.3252

■ 82.1288, 93.3389,  
108.2953

# Harmonies

## Analogous

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



35.4493, 23.7085, 33.3427



35.0819, 23.7085, 17.1952



31.0153, 23.7085, 8.5382

# Triad

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



35.0819, 23.7085, 17.1952



15.1805, 23.7085, 9.5994



20.2111, 23.7085, 71.9886

# Complementary

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



35.0819, 23.7085, 17.1952



39.7160, 55.7089, 63.9219

# 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.



15.7600, 23.7085, 57.8255



35.0819, 23.7085, 17.1952



13.2124, 23.7085, 19.5144

# Square

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



35.0819, 23.7085, 17.1952



19.2797, 23.7085, 5.6465



13.4043, 23.7085, 36.9189



26.1358, 23.7085, 70.4530



# Rectangle

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



35.0819, 23.7085, 17.1952



27.0966, 23.7085, 5.9782



13.4043, 23.7085, 36.9189



18.5151, 23.7085, 68.7170

# Sweetspot

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



35.0825, 23.7098, 17.1956



77.2176, 73.1808, 75.6860



40.1464, 25.2074, 67.7150



16.1351, 15.0759, 15.4603



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.



35.0825, 23.7098, 17.1956



46.6709, 28.2119, 15.7943



39.5342, 33.7966, 15.0312



12.4847, 12.4454, 13.2269



16.8973, 8.6952, 1.4971



1.0402, 0.5329, 0.2010



# Inverse Universe

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



35.0825, 23.7098, 17.1956



46.6709, 28.2119, 15.7943



31.6253, 36.5655, 70.3564



12.4847, 12.4454, 13.2269



16.8973, 8.6952, 1.4971



1.0402, 0.5329, 0.2010



# Previews

## White Background



This preview shows how the XYZ color 35.0819, 23.7085, 17.1952 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 35.0819, 23.7085, 17.1952 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 35.0819, 23.7085, 17.1952**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.0819, 23.7085, 17.1952.



This preview shows how white text looks on a background with the XYZ color 35.0819, 23.7085,



# 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

35.0819, 23.7085, 17.1952

### Protanopia

22.9688, 24.0384, 24.1982

### Deuteranopia

24.2031, 23.8479, 16.1594



## Tritanopia

34.8094, 23.7427, 15.3185

# Trichromacy



## Original Color

35.0819, 23.7085, 17.1952

## Protanomaly

25.8356, 22.7058, 21.4333

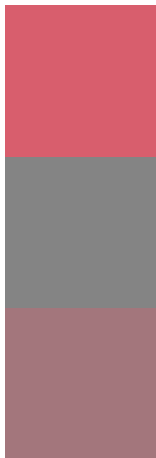
## Deuteranomaly

27.1553, 22.9757, 16.3681

## Tritanomaly

34.9609, 23.8033, 16.1164

# Monochromacy



## Original Color

35.0819, 23.7085, 17.1952

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

25.2208, 22.1986, 22.0243

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.0819, 23.7085, 17.1952 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(216, 94, 109)` looks like.

```
.text, #text, p{  
    color:rgb(216, 94, 109)  
}
```

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(216, 94, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 94, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 35.0819, 23.7085, 17.1952 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(216, 94, 109) }
```



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

```
.border{ border-color:rgb(216, 94, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 94, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 94, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 94, 109);  
box-shadow:4px 4px 4px 4px rgb(216, 94,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.0819, 23.7085, 17.1952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 94, 109) }
```

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

```
.background{ background-color: rgb(216, 94,  
109) }
```

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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