

# Converting Colors

XYZ(40.9035, 35.3238, 32.9694)

Have a look what the booklet for  
XYZ(40.9035, 35.3238, 32.9694)  
contains.

<b>XYZ(40.8517, 35.2383, 33.0823)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(40.8517, 35.2383,  
33.0823)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CE9095
RGB	206, 144, 149
RGB Percent	81%, 56%, 58%
CMY	0.1922, 0.4353, 0.4157
CMYK	0.00, 0.30, 0.28, 0.19
HSL	355°, 39%, 69%
HSV	355°, 30%, 81%
XYZ	40.8517, 35.2383, 33.0823
YIQ	163.1080, 35.3470, 14.6990

# Conversions

## Conversions Part 2

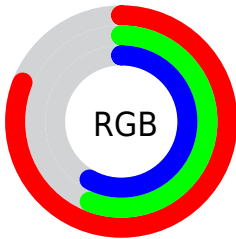
Format	Color
R <sub>Y</sub> B	206, 144, 149
Decimal	13537429
CIE Lab	65.93, 24.17, 6.81
CIE LCh	66, 25.113, 15.735
Yxy	35.2383, 0.3742, 0.3228
Android (android.graphics.Color)	4291727509 (0xFFCE9095)
YUV	163.1080, -6.9552, 37.6163
Hunter-Lab	59.3619, 18.9571, 8.5110

# Details

The XYZ color **40.8517, 35.2383, 33.0823** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **44.1171, 54.2898, 63.4150**, and the grayscale version is **34.8847, 36.7015, 39.9679**.

A 20% lighter version of the original color is **72.2136, 65.9600, 65.4254**, and **18.6966, 15.1946, 13.5027** is the 20% darker color. If you saturate the color by 10%, you get **36.6204, 29.0019, 24.8084**, and if you desaturate by 10%, it is **45.9001, 42.7150, 42.8426**.

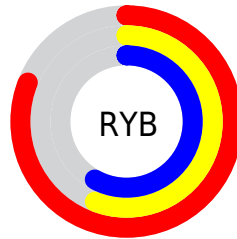
# Distribution



Red (81%)

Green (56%)

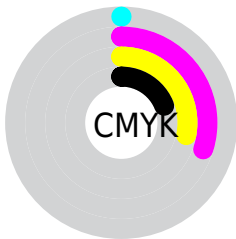
Blue (58%)



Red (81%)

Yellow (56%)

Blue (58%)

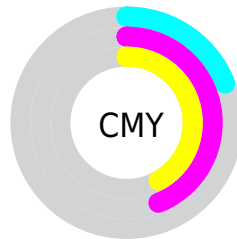


Cyan (0%)

Magenta (30%)

Yellow (28%)

Black (19%)



Cyan (19%)

Magenta (44%)

Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8517, 35.2383, 33.0823 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 40.8517, 35.2383, 33.0823 by changing the saturation by 10% instead.





 40.8517, 35.2383,  
33.0823


 40.8517, 35.2383,  
33.0823


340.7736,  
325.6189, 330.6638

 28.3904, 23.8465,  
21.9179

 75.7348, 67.8548,  
65.6215

 18.7621, 15.2198,  
13.5988


 98.8874, 89.8482,  
87.8333

 11.6015, 8.9738,  
7.7066


126.3344,  
116.1444, 114.5647

 6.5432, 4.7241,  
3.8227

158.4412,  
147.1276, 146.2342

 3.2219, 2.0863,  
1.5286

195.5732,  
183.1822, 183.2603

 1.2722, 0.6569,  
0.2391

238.0956,

 0.1622, 0.0000,

224.6927, 226.0616

0.0000

286.3740,  
272.0435, 275.0566

■ 0.0000, 0.0000,  
0.0000

■ 40.8517, 35.2383,  
33.0823

■ 40.8517, 35.2383,  
33.0823

■ 36.6204, 29.0019,  
24.8084

■ 45.9001, 42.7150,  
42.8426

■ 33.1605, 23.9340,  
17.9458

■ 51.8026, 51.4886,  
54.1550

■ 30.4262, 19.9633,  
12.4164

■ 58.5971, 61.6184,  
67.0838

■ 28.3655, 17.0086,  
8.1332

■ 66.3185, 73.1586,  
81.6892

■ 26.9197, 14.9773,  
4.9992

■ 74.9999, 86.1603,  
98.0280

■ 26.0198, 13.7601,  
2.9029

■ 79.2637, 91.8619,  
108.1612

■ 25.5518, 13.1611,  
1.7077

# Harmonies

## Analogous

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



40.9059, 35.2383, 43.6347



40.8517, 35.2383, 33.0823



38.7316, 35.2383, 25.5009

# Triad

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



40.8517, 35.2383, 33.0823



28.6323, 35.2383, 25.7849



31.7631, 35.2383, 61.8137

# Complementary

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



40.8517, 35.2383, 33.0823



44.1171, 54.2898, 63.4150

# 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.



28.7493, 35.2383, 54.9673



40.8517, 35.2383, 33.0823



27.0345, 35.2383, 33.5441

# Square

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



40.8517, 35.2383, 33.0823



31.5924, 35.2383, 21.8505



27.0756, 35.2383, 44.1898



35.4683, 35.2383, 61.6271



# Rectangle

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



40.8517, 35.2383, 33.0823



36.5159, 35.2383, 22.5734



27.0756, 35.2383, 44.1898



30.6417, 35.2383, 60.2105

# Sweetspot

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



40.8527, 35.2400, 33.0830



84.9475, 84.9361, 89.6832



45.1575, 36.7989, 63.1156



17.8572, 17.6958, 18.5752



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.



40.8527, 35.2400, 33.0830



61.6851, 50.4504, 44.8139



44.8323, 43.8239, 32.4837



11.2484, 11.2281, 11.8427



15.7485, 8.1100, 1.1283



0.8255, 0.4236, 0.1268



# Inverse Universe

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



40.8527, 35.2400, 33.0830



61.6851, 50.4504, 44.8139



38.9986, 43.0969, 64.6558



11.2484, 11.2281, 11.8427



15.7485, 8.1100, 1.1283



0.8255, 0.4236, 0.1268



# Previews

## White Background



This preview shows how the XYZ color 40.8517, 35.2383, 33.0823 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

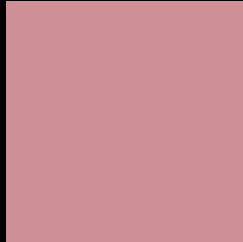
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.8517, 35.2383, 33.0823 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 ✓ Pass

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

**XYZ 40.8517, 35.2383, 33.0823**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.8517, 35.2383, 33.0823.



This preview shows how white text looks on a background with the XYZ color 40.8517, 35.2383,



# 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

40.8517, 35.2383, 33.0823

### Protanopia

34.0522, 35.5027, 37.4057

### Deuteranopia

36.0439, 35.3730, 32.5317



## Tritanopia

41.3873, 35.2434, 35.1932

# Trichromacy



## Original Color

40.8517, 35.2383, 33.0823

## Protanomaly

36.0624, 35.0615, 35.8772

## Deuteranomaly

37.6471, 35.2185, 32.8306

## Tritanomaly

41.2221, 35.1773, 34.3230

# Monochromacy



## Original Color

40.8517, 35.2383, 33.0823

## Achromatopsia

34.8123, 36.6253, 39.8849

## Achromatomaly

36.6504, 35.8293, 37.3318

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.8517, 35.2383, 33.0823 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, 144, 149)` looks like.

```
.text, #text, p{  
    color:rgb(206, 144, 149)  
}
```

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, 144, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 144, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 40.8517, 35.2383, 33.0823 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, 144, 149) }
```



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

```
.border{ border-color:rgb(206, 144, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 144, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 144, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 144, 149);  
box-shadow:4px 4px 4px 4px rgb(206, 144,  
149) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.8517, 35.2383, 33.0823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 144, 149) }
```

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

```
.background{ background-color: rgb(206,  
144, 149) }
```

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