

# Converting Colors

XYZ(40.8628, 32.8313, 37.0990)

Have a look what the booklet for  
XYZ(40.8628, 32.8313, 37.0990)  
contains.

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# Color

**XYZ(40.9400, 32.8336,  
36.9806)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1859F
RGB	209, 133, 159
RGB Percent	82%, 52%, 62%
CMY	0.1804, 0.4784, 0.3765
CMYK	0.00, 0.36, 0.24, 0.18
HSL	339°, 45%, 67%
HSV	339°, 36%, 82%
XYZ	40.9400, 32.8336, 36.9806
YIQ	158.6880, 36.9500, 24.1980

# Conversions

## Conversions Part 2

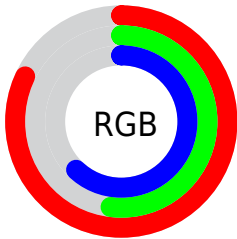
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 133, 159
Decimal	13731231
CIE Lab	64.03, 32.67, -1.57
CIE LCh	64, 32.705, 357.257
Yxy	32.8336, 0.3696, 0.2965
Android (android.graphics.Color)	4291921311 (0xFFD1859F)
YUV	158.6880, 0.1538, 44.1236
Hunter-Lab	57.3006, 27.2582, 1.8459

# Details

The XYZ color **40.9400, 32.8336, 36.9806** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **41.0220, 54.0071, 53.0648**, and the grayscale version is **32.8006, 34.5088, 37.5801**.

A 20% lighter version of the original color is **71.1479, 61.6557, 71.7692**, and **18.8609, 13.8896, 15.8742** is the 20% darker color. If you saturate the color by 10%, you get **37.2305, 27.2190, 30.1808**, and if you desaturate by 10%, it is **45.3534, 39.6429, 44.6707**.

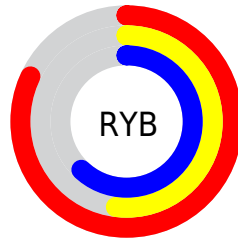
# Distribution



Red (82%)

Green (52%)

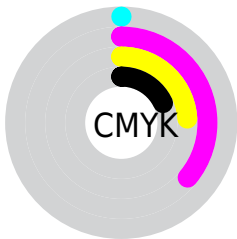
Blue (62%)



Red (82%)

Yellow (52%)

Blue (62%)

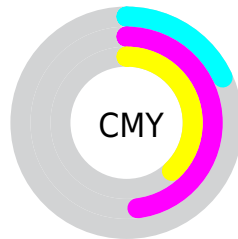


Cyan (0%)

Magenta (36%)

Yellow (24%)

Black (18%)



Cyan (18%)

Magenta (48%)

Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9400, 32.8336, 36.9806 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 40.9400, 32.8336, 36.9806 by changing the saturation by 10% instead.





 40.9400, 32.8336,  
36.9806


 40.9400, 32.8336,  
36.9806

341.1367,  
314.8993, 348.3927


 28.4597, 21.9990,  
24.8968


 75.8681, 64.1157,  
71.7289

 18.8147, 13.8562,  
15.7819


 99.0466, 85.3319,  
95.2306

 11.6397, 8.0207,  
9.2172


 126.5218,  
110.7775, 123.3752

 6.5693, 4.1082,  
4.7844

158.6591,  
140.8368, 156.5814

 3.2381, 1.7343,  
2.0648

195.8239,  
175.8942, 195.2677

 1.2809, 0.4457,  
0.5947

238.3815,

 0.1689, 0.0000,

216.3342, 239.8527

0.0000

286.6973,  
262.5411, 290.7548

■ 0.0000, 0.0000,  
0.0000

■ 40.9400, 32.8336,  
36.9806

■ 40.9400, 32.8336,  
36.9806

■ 37.2305, 27.2190,  
30.1808

■ 45.3534, 39.6429,  
44.6707

■ 34.1839, 22.7250,  
24.2352

■ 50.5032, 47.7063,  
53.2813

■ 31.7589, 19.2760,  
19.1080

■ 56.4231, 57.0845,  
62.8435

■ 29.9085, 16.7855,  
14.7596

■ 63.1440, 67.8332,  
73.3861

■ 28.5779, 15.1524,  
11.1465

■ 70.6949, 80.0048,  
84.9370

■ 27.6989, 14.2492,  
8.2187

■ 78.0074, 91.4565,  
97.1571

■ 27.4477, 14.0166,  
7.3032

■ 80.1046, 92.2953,  
108.2006

# Harmonies

## Analogous

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



39.2848, 32.8336, 51.3383



40.9400, 32.8336, 36.9806



39.7821, 32.8336, 25.3255

# Triad

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



40.9400, 32.8336, 36.9806



27.3160, 32.8336, 17.5786



26.6483, 32.8336, 61.6791

# Complementary

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



40.9400, 32.8336, 36.9806



41.0220, 54.0071, 53.0648

# 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.



23.9628, 32.8336, 48.7027



40.9400, 32.8336, 36.9806



24.3208, 32.8336, 23.6877

# Square

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



40.9400, 32.8336, 36.9806



31.6341, 32.8336, 15.8949



23.1541, 32.8336, 34.5474



30.7845, 32.8336, 67.6296



# Rectangle

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



40.9400, 32.8336, 36.9806



37.6280, 32.8336, 20.1416



23.1541, 32.8336, 34.5474



25.5621, 32.8336, 57.8589

# Sweetspot

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



40.9409, 32.8352, 36.9813



83.9151, 82.2587, 91.2274



39.2835, 31.3742, 64.3071



17.6904, 17.1779, 19.0882



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.



40.9409, 32.8352, 36.9813



59.3914, 44.1885, 49.2119



40.5633, 35.3183, 26.8715



11.9732, 11.8740, 13.1349



16.9652, 8.6589, 4.7230



0.9855, 0.4989, 0.4583



# Inverse Universe

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



40.9409, 32.8352, 36.9813



59.3914, 44.1885, 49.2119



41.2854, 49.7965, 67.7574



11.9732, 11.8740, 13.1349



16.9652, 8.6589, 4.7230

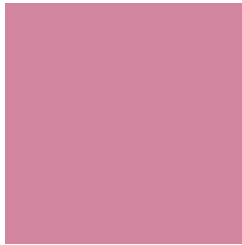


0.9855, 0.4989, 0.4583



# Previews

## White Background



This preview shows how the XYZ color 40.9400, 32.8336, 36.9806 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

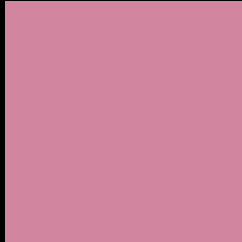
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.9400, 32.8336, 36.9806 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 40.9400, 32.8336, 36.9806**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.9400, 32.8336, 36.9806.



This preview shows how white text looks on a background with the XYZ color 40.9400, 32.8336,



# 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

40.9400, 32.8336, 36.9806

### Protanopia

32.3284, 32.9598, 43.6877

### Deuteranopia

33.6449, 33.0796, 36.0642



## Tritanopia

39.8647, 32.8132, 31.4266

# Trichromacy



## Original Color

40.9400, 32.8336, 36.9806

## Protanomaly

34.7095, 32.3465, 40.9733

## Deuteranomaly

35.8262, 32.5712, 36.2969

## Tritanomaly

40.1234, 32.6945, 33.4741

# Monochromacy



## Original Color

40.9400, 32.8336, 36.9806

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

35.2958, 33.6630, 37.4382

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.9400, 32.8336, 36.9806 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(209, 133, 159)` looks like.

```
.text, #text, p{  
    color:rgb(209, 133, 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(209, 133, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 133, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 40.9400, 32.8336, 36.9806 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(209, 133, 159) }
```



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

```
.border{ border-color:rgb(209, 133, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 133, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 133, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 133, 159);  
box-shadow:4px 4px 4px 4px rgb(209, 133,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.9400, 32.8336, 36.9806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 133, 159) }
```

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

```
.background{ background-color: rgb(209,  
133, 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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