

# Converting Colors

XYZ(48.7013, 40.5041, 34.6936)

Have a look what the booklet for  
XYZ(48.7013, 40.5041, 34.6936)  
contains.

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# Color

**XYZ(48.6465, 40.3873,  
34.5097)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E59597
RGB	229, 149, 151
RGB Percent	90%, 58%, 59%
CMY	0.1020, 0.4157, 0.4078
CMYK	0.00, 0.35, 0.34, 0.10
HSL	359°, 61%, 74%
HSV	359°, 35%, 90%
XYZ	48.6465, 40.3873, 34.5097
YIQ	173.1480, 47.0380, 17.5820

# Conversions

## Conversions Part 2

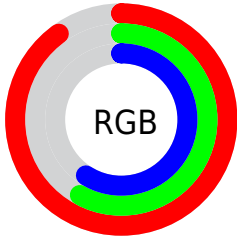
Format	Color
R <sub>Y</sub> B	229, 149, 151
Decimal	15046039
CIE Lab	69.74, 30.36, 11.47
CIE LCh	70, 32.459, 20.701
Yxy	40.3873, 0.3938, 0.3269
Android (android.graphics.Color)	4293236119 (0xFFE59597)
YUV	173.1480, -10.9190, 48.9822
Hunter-Lab	63.5510, 25.4225, 12.2898

# Details

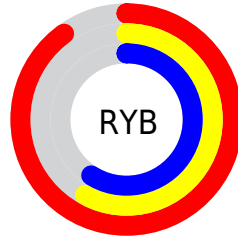
The XYZ color **48.6465, 40.3873, 34.5097** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **54.2808, 67.9752, 82.9365**, and the grayscale version is **39.8341, 41.9086, 45.6385**.

A 20% lighter version of the original color is **73.8523, 68.8535, 67.1552**, and **23.3695, 18.1274, 14.3238** is the 20% darker color. If you saturate the color by 10%, you get **43.7283, 33.1832, 24.7550**, and if you desaturate by 10%, it is **54.6226, 49.1573, 46.3121**.

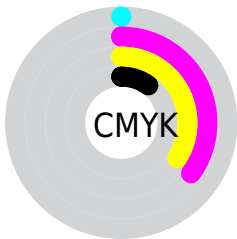
# Distribution



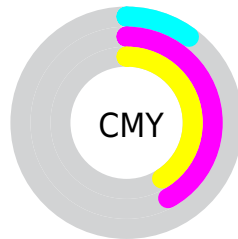
- Red (90%)
- Green (58%)
- Blue (59%)



- Red (90%)
- Yellow (58%)
- Blue (59%)



- Cyan (0%)
- Magenta (35%)
- Yellow (34%)
- Black (10%)




- Cyan (10%)
- Magenta (42%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6465, 40.3873, 34.5097 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 48.6465, 40.3873, 34.5097 by changing the saturation by 10% instead.





 48.6465, 40.3873,  
34.5097


 48.6465, 40.3873,  
34.5097


371.8891,  
347.7533, 337.2371

 34.5525, 27.8406,  
23.0049


 87.3701, 75.7529,  
67.8684

 23.4833, 18.2056,  
14.3918


 112.7304, 99.3407,  
90.5595

 15.0734, 11.0977,  
8.2518


142.5769,  
127.3776, 117.8164

 8.9576, 6.1326,  
4.1664

177.2749,  
160.2480, 150.0576

 4.7704, 2.9259,  
1.7171

217.1897,  
198.3365, 187.7018

 2.1466, 1.0931,  
0.3724

262.6868,

 0.7143, 0.0000,

242.0272, 231.1674

0.0000

314.1315,  
291.7047, 280.8730

0.0000, 0.0000,  
0.0000

48.6465, 40.3873,  
34.5097

48.6465, 40.3873,  
34.5097

43.7283, 33.1832,  
24.7550

54.6226, 49.1573,  
46.3121

39.8033, 27.4473,  
16.9294

61.7099, 59.5714,  
60.2672

36.8051, 23.0806,  
10.9056

69.9617, 71.7099,  
76.4753

34.6573, 19.9690,  
6.5400

79.4273, 85.6458,  
95.0300

33.2719, 17.9801,  
3.6674

86.1232, 95.3981,  
108.4822

■ 32.5413, 16.9521,  
2.0884

■ 32.3445, 16.6706,  
1.6770

# Harmonies

## Analogous

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



49.2581, 40.3873, 48.8232



48.6465, 40.3873, 34.5097



45.1557, 40.3873, 25.1524

# Triad

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



48.6465, 40.3873, 34.5097



31.0800, 40.3873, 28.0620



36.7758, 40.3873, 79.2013

# Complementary

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



48.6465, 40.3873, 34.5097



54.2808, 67.9752, 82.9365

# 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.



32.3308, 40.3873, 70.4146



48.6465, 40.3873, 34.5097



29.2459, 40.3873, 39.4587

# Square

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



48.6465, 40.3873, 34.5097



34.9215, 40.3873, 22.0633



29.6819, 40.3873, 55.0296



42.0744, 40.3873, 77.0167



# Rectangle

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



48.6465, 40.3873, 34.5097



41.8275, 40.3873, 21.9105



29.6819, 40.3873, 55.0296



35.1404, 40.3873, 77.3697

# Sweetspot

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



48.6476, 40.3893, 34.5105



83.6999, 83.2965, 86.6294



56.3601, 43.3767, 79.5309



17.6004, 17.3659, 17.9239



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.



48.6476, 40.3893, 34.5105



57.3653, 44.6289, 34.6866



55.3684, 54.0880, 35.9581



14.3915, 14.3738, 14.9960



18.4994, 9.5340, 0.9930



1.3722, 0.7066, 0.1006



# Inverse Universe

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



48.6476, 40.3893, 34.5105



57.3653, 44.6289, 34.6866



45.3156, 49.6016, 81.3146



14.3915, 14.3738, 14.9960



18.4994, 9.5340, 0.9930



1.3722, 0.7066, 0.1006



# Previews

## White Background



This preview shows how the XYZ color 48.6465, 40.3873, 34.5097 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

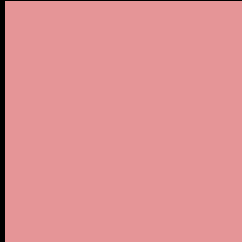
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.6465, 40.3873, 34.5097 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 48.6465, 40.3873, 34.5097**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.6465, 40.3873, 34.5097.



This preview shows how white text looks on a background with the XYZ color 48.6465, 40.3873,

34.5097.

# 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

48.6465, 40.3873, 34.5097

### Protanopia

38.8008, 40.5882, 39.9717

### Deuteranopia

41.1264, 40.2911, 33.6263



## Tritanopia

49.4810, 40.5060, 38.0114

# Trichromacy



## Original Color

48.6465, 40.3873, 34.5097

## Protanomaly

41.5976, 39.9114, 37.8590

## Deuteranomaly

43.5551, 40.2316, 33.9036

## Tritanomaly

49.2238, 40.4031, 36.6567

# Monochromacy



## Original Color

48.6465, 40.3873, 34.5097

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

42.0593, 40.6050, 41.2181

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.6465, 40.3873, 34.5097 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(229, 149, 151)` looks like.

```
.text, #text, p{  
    color:rgb(229, 149, 151)  
}
```

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(229, 149, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 149, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 48.6465, 40.3873, 34.5097 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(229, 149, 151) }
```



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

```
.border{ border-color:rgb(229, 149, 151) }
```

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

Here you see how a box with a 4 pixel rgb(229, 149, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 149, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 149, 151);  
box-shadow:4px 4px 4px 4px rgb(229, 149,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.6465, 40.3873, 34.5097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 149, 151) }
```

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

```
.background{ background-color: rgb(229,  
149, 151) }
```

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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