

# Converting Colors

XYZ(57.4517, 45.8485, 34.7808)

Have a look what the booklet for  
XYZ(57.4517, 45.8485, 34.7808)  
contains.

<b>XYZ(57.4043, 45.8671, 34.6819)</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(57.4043, 45.8671,  
34.6819)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FD9996
RGB	253, 153, 150
RGB Percent	99%, 60%, 59%
CMY	0.0078, 0.4000, 0.4118
CMYK	0.00, 0.40, 0.41, 0.01
HSL	2°, 96%, 79%
HSV	2°, 41%, 99%
XYZ	57.4043, 45.8671, 34.6819
YIQ	182.5580, 60.5630, 20.2670

# Conversions

## Conversions Part 2

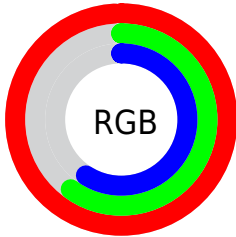
Format	Color
R <sub>Y</sub> B	253, 153, 150
Decimal	16619926
CIE Lab	73.46, 37.04, 17.65
CIE LCh	73, 41.033, 25.481
Yxy	45.8671, 0.4161, 0.3325
Android (android.graphics.Color)	4294810006 (0xFFFD9996)
YUV	182.5580, -16.0511, 61.7776
Hunter-Lab	67.7253, 32.7784, 17.0454

# Details

The XYZ color **57.4043, 45.8671, 34.6819** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **64.4914, 81.9438, 105.3462**, and the grayscale version is **44.8307, 47.1654, 51.3631**.

A 20% lighter version of the original color is **74.6950, 70.7314, 66.8424**, and **28.8016, 21.3527, 14.4078** is the 20% darker color. If you saturate the color by 10%, you get **51.9680, 37.9104, 23.8806**, and if you desaturate by 10%, it is **64.1102, 55.6590, 48.0770**.

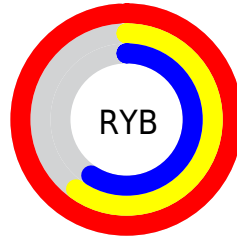
# Distribution



Red (99%)

Green (60%)

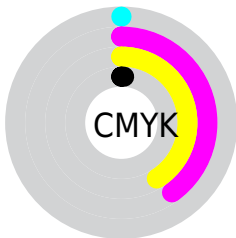
Blue (59%)



Red (99%)

Yellow (60%)

Blue (59%)

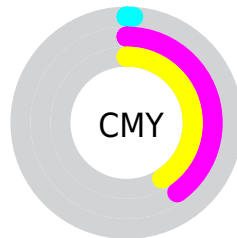


Cyan (0%)

Magenta (40%)

Yellow (41%)

Black (1%)



Cyan (1%)

Magenta (40%)


Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.4043, 45.8671, 34.6819 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 57.4043, 45.8671, 34.6819 by changing the saturation by 10% instead.





 57.4043, 45.8671,  
34.6819


 57.4043, 45.8671,  
34.6819


404.9523,  
370.2741, 338.0235

 41.5713, 32.1410,  
23.1364


 100.1828, 84.0201,  
68.1387

 28.9554, 21.4692,  
14.4880


 127.8591,  
109.2157, 90.8869

 19.1912, 13.4674,  
8.3182


160.2139,  
139.0032, 118.2066

 11.9134, 7.7512,  
4.2086

197.6125,  
173.7672, 150.5161

 6.7565, 3.9361,  
1.7404

240.4202,  
213.8918, 188.2340

 3.3552, 1.6379,  
0.3882

289.0026,

 1.3443, 0.3830,

259.7616, 231.7788

0.0000

343.7248,  
311.7609, 281.5691

■ 0.2160, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.4043, 45.8671,  
34.6819

■ 57.4043, 45.8671,  
34.6819

■ 51.9680, 37.9104,  
23.8806

■ 64.1102, 55.6590,  
48.0770

■ 47.7180, 31.6683,  
15.5028

■ 72.1549, 67.3832,  
64.2160

■ 44.5667, 27.0169,  
9.3623

■ 81.6069, 81.1381,  
83.2406

■ 42.4130, 23.8123,  
5.2446

■ 92.5289, 97.0134,  
105.2819

■ 41.1370, 21.8851,  
2.8933

94.3180, 99.6227,  
108.8657

■ 40.5882, 21.0429,  
1.9225

# Harmonies

## Analogous

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



58.9931, 45.8671, 53.1483



57.4043, 45.8671, 34.6819



51.9671, 45.8671, 23.7735

# Triad

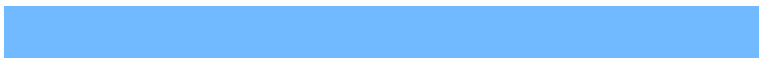
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



57.4043, 45.8671, 34.6819



33.1044, 45.8671, 30.5887



42.5079, 45.8671, 101.1445

# Complementary

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



57.4043, 45.8671, 34.6819



64.4914, 81.9438, 105.3462

# 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.



36.1747, 45.8671, 90.5061



57.4043, 45.8671, 34.6819



31.1411, 45.8671, 46.8663

# Square

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



57.4043, 45.8671, 34.6819



37.8779, 45.8671, 21.9098



32.2000, 45.8671, 69.1260



49.8609, 45.8671, 95.2550



# Rectangle

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



57.4043, 45.8671, 34.6819



47.1783, 45.8671, 20.4404



32.2000, 45.8671, 69.1260



40.1984, 45.8671, 99.3164

# Sweetspot

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



57.4055, 45.8694, 34.6828



81.7533, 80.6725, 82.0683



68.8719, 49.6787, 97.4602



17.2169, 16.8575, 16.9985



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.



57.4055, 45.8694, 34.6828



53.7558, 39.8393, 25.9932



67.4204, 65.8993, 38.0211



18.0519, 18.0719, 18.6811



21.6094, 11.2300, 1.0287



2.1183, 1.1220, 0.1049



# Inverse Universe

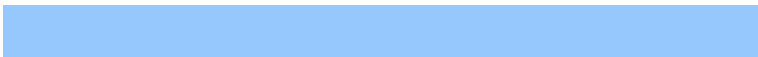
The Inverse Universe completely reimagines the original color for something new.



64.4914, 81.9438, 105.3462



61.8715, 81.1855, 107.0171



50.9118, 54.7846, 100.8197



18.5067, 20.3851, 23.2093



26.9208, 38.7512, 55.4954



2.6349, 3.8006, 5.4080



# Previews

## White Background



This preview shows how the XYZ color 57.4043, 45.8671, 34.6819 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

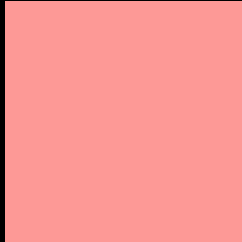
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.4043, 45.8671, 34.6819 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 57.4043, 45.8671, 34.6819**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.4043, 45.8671, 34.6819.



This preview shows how white text looks on a background with the XYZ color 57.4043, 45.8671,

34.6819.

# 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

57.4043, 45.8671, 34.6819

### Protanopia

43.7611, 46.0142, 41.6971

### Deuteranopia

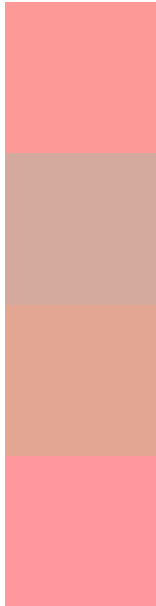
46.9027, 46.0491, 33.6104



## Tritanopia

58.4612, 45.8127, 39.9439

# Trichromacy



## Original Color

57.4043, 45.8671, 34.6819

## Protanomaly

47.7841, 45.2497, 39.0165

## Deuteranomaly

50.2667, 45.5478, 33.7460

## Tritanomaly

58.2728, 45.9959, 38.1545

# Monochromacy



## Original Color

57.4043, 45.8671, 34.6819

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

48.1156, 45.8552, 44.8431

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.4043, 45.8671, 34.6819 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(253, 153, 150)` looks like.

```
.text, #text, p{  
    color:rgb(253, 153, 150)  
}
```

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(253, 153, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 153, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 57.4043, 45.8671, 34.6819 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(253, 153, 150) }
```



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

```
.border{ border-color:rgb(253, 153, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 153, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 153, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 153, 150);  
box-shadow:4px 4px 4px 4px rgb(253, 153,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.4043, 45.8671, 34.6819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 153, 150) }
```

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

```
.background{ background-color: rgb(253,  
153, 150) }
```

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