

# Converting Colors

XYZ(64.9350, 60.8376, 41.1953)

Have a look what the booklet for  
XYZ(64.9350, 60.8376, 41.1953)  
contains.

<b>XYZ(64.8913, 60.7117, 41.0993)</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(64.8913, 60.7117,  
41.0993)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBC09F
RGB	251, 192, 159
RGB Percent	98%, 75%, 62%
CMY	0.0157, 0.2470, 0.3765
CMYK	0.00, 0.24, 0.37, 0.02
HSL	22°, 92%, 80%
HSV	22°, 37%, 98%
XYZ	64.8913, 60.7117, 41.0993
YIQ	205.8790, 45.7570, 2.2450

# Conversions

## Conversions Part 2

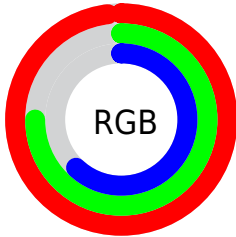
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 210, 159
Decimal	16498847
CIE Lab	82.22, 16.89, 24.81
CIE LCh	82, 30.016, 55.750
Yxy	60.7117, 0.3893, 0.3642
Android (android.graphics.Color)	4294688927 (0xFFFBC09F)
YUV	205.8790, -23.1113, 39.5711
Hunter-Lab	77.9177, 12.3021, 23.2687

# Details

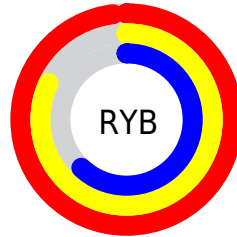
The XYZ color **64.8913, 60.7117, 41.0993** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **56.7812, 64.4765, 100.7193**, and the grayscale version is **58.7128, 61.7705, 67.2680**.

A 20% lighter version of the original color is **87.2533, 93.8664, 77.1376**, and **33.7346, 30.5760, 18.0337** is the 20% darker color. If you saturate the color by 10%, you get **59.5878, 53.2435, 29.6547**, and if you desaturate by 10%, it is **71.0267, 69.1355, 55.0043**.

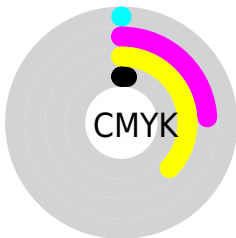
# Distribution



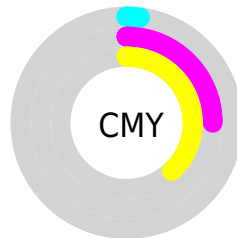
- Red (98%)
- Green (75%)
- Blue (62%)



- Red (98%)
- Yellow (82%)
- Blue (62%)



- Cyan (0%)
- Magenta (24%)
- Yellow (37%)
- Black (2%)




- Cyan (2%)
- Magenta (25%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8913, 60.7117, 41.0993 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 64.8913, 60.7117, 41.0993 by changing the saturation by 10% instead.





 64.8913, 60.7117,  
41.0993


 64.8913, 60.7117,  
41.0993


431.9526,  
427.2161, 366.4244

 47.6373, 43.9925,  
28.0764


 110.9601,  
105.8614, 78.0899

 33.7498, 30.6646,  
18.1437

 140.5057,  
135.0607, 102.8947

 22.8634, 20.3436,  
10.8827


174.8792,  
169.1889, 132.4639

 14.6128, 12.6451,  
5.8748

214.4459,  
208.6303, 167.2160

 8.6327, 7.1846,  
2.7016

259.5713,  
253.7693, 207.5696

 4.5576, 3.5778,  
0.9442

310.6206,

 2.0221, 1.4403,

304.9904, 253.9431

0.0000

367.9593,  
362.6778, 306.7552

■ 0.6464, 0.2462,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.8913, 60.7117,  
41.0993

■ 64.8913, 60.7117,  
41.0993

■ 59.5878, 53.2435,  
29.6547

■ 71.0267, 69.1355,  
55.0043

■ 55.0722, 46.6869,  
20.5209

■ 78.0259, 78.5399,  
71.4999

■ 51.3032, 41.0066,  
13.5375

■ 85.9245, 88.9595,  
90.7115

■ 48.2332, 36.1616,  
8.5214

■ 93.5937, 99.2492,  
108.8318

■ 45.8077, 32.1068,  
5.2589

■ 43.9612, 28.7906,  
3.4814

■ 43.4438, 27.8295,  
3.0819

# Harmonies

## Analogous

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



69.4800, 60.7117, 51.9799



64.8913, 60.7117, 41.0993



58.6190, 60.7117, 36.8826

# Triad

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



64.8913, 60.7117, 41.0993



46.3102, 60.7117, 63.5340



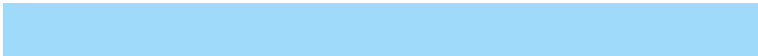
63.2026, 60.7117, 103.0867

# Complementary

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



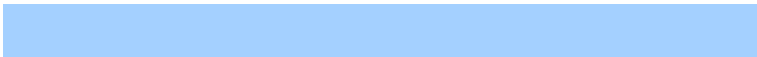
64.8913, 60.7117, 41.0993



56.7812, 64.4765, 100.7193

# 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.



56.7999, 60.7117, 107.7182



64.8913, 60.7117, 41.0993



47.3411, 60.7117, 82.5813

# Square

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



64.8913, 60.7117, 41.0993



48.1427, 60.7117, 48.2302



51.0692, 60.7117, 99.6233



68.4556, 60.7117, 87.9259



# Rectangle

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



64.8913, 60.7117, 41.0993



54.4369, 60.7117, 37.7178



51.0692, 60.7117, 99.6233



61.1006, 60.7117, 106.0334

# Sweetspot

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



64.8929, 60.7146, 41.1005



85.3862, 87.3792, 85.0024



64.9420, 50.4101, 73.1876



18.0385, 18.3892, 17.6160



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.



64.8929, 60.7146, 41.1005



63.1270, 57.1256, 33.6064



76.3840, 83.6969, 44.9309



17.7542, 18.2443, 18.0481



22.9607, 14.8782, 1.6616

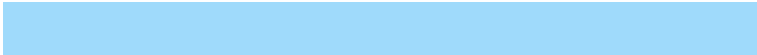


2.2229, 1.5706, 0.1860

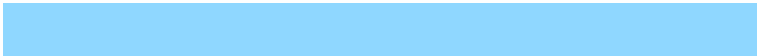


# Inverse Universe

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



56.7812, 64.4765, 100.7193



53.5794, 61.5144, 103.6573



46.6165, 44.1472, 97.3311



17.2114, 18.4997, 22.0490



15.9905, 17.3366, 50.4771



1.5813, 1.8062, 4.7085



# Previews

## White Background



This preview shows how the XYZ color 64.8913, 60.7117, 41.0993 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

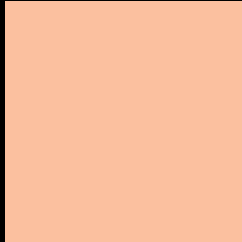
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.8913, 60.7117, 41.0993 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 64.8913, 60.7117, 41.0993**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.8913, 60.7117, 41.0993.



This preview shows how white text looks on a background with the XYZ color 64.8913, 60.7117,



# 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

64.8913, 60.7117, 41.0993

### Protanopia

56.9997, 60.6541, 44.3005

### Deuteranopia

62.0730, 60.9264, 40.8361



## Tritanopia

69.3415, 60.5949, 63.2996

# Trichromacy



## Original Color

64.8913, 60.7117, 41.0993

## Protanomaly

59.5782, 60.6109, 43.2093

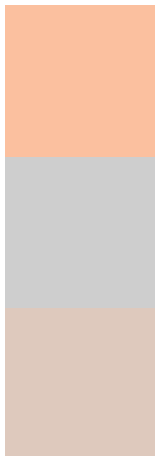
## Deuteranomaly

62.9949, 60.7319, 40.7500

## Tritanomaly

67.7192, 60.5824, 54.5788

# Monochromacy



## Original Color

64.8913, 60.7117, 41.0993

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

60.1962, 60.9770, 56.7412

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.8913, 60.7117, 41.0993 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(251, 192, 159)` looks like.

```
.text, #text, p{  
    color:rgb(251, 192, 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(251, 192, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 192, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 64.8913, 60.7117, 41.0993 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(251, 192, 159) }
```



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

```
.border{ border-color:rgb(251, 192, 159) }
```

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

Here you see how a box with a 4 pixel rgb(251, 192, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 192, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 192, 159);  
box-shadow:4px 4px 4px 4px rgb(251, 192,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.8913, 60.7117, 41.0993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 192, 159) }
```

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

```
.background{ background-color: rgb(251,  
192, 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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