

# Converting Colors

XYZ(64.3654, 58.7338, 50.1123)

Have a look what the booklet for  
XYZ(64.3654, 58.7338, 50.1123)  
contains.

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# **Color**

**XYZ(64.1640, 58.5292,  
50.0349)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7BBB2
RGB	247, 187, 178
RGB Percent	97%, 73%, 70%
CMY	0.0314, 0.2666, 0.3020
CMYK	0.00, 0.24, 0.28, 0.03
HSL	8°, 81%, 83%
HSV	8°, 28%, 97%
XYZ	64.1640, 58.5292, 50.0349
YIQ	203.9140, 38.6490, 9.9210

# Conversions

## Conversions Part 2

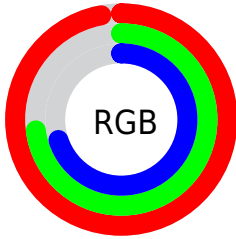
Format	Color
R <sub>Y</sub> B	247, 188, 178
Decimal	16235442
CIE Lab	81.03, 20.38, 12.96
CIE LCh	81, 24.150, 32.458
Yxy	58.5292, 0.3715, 0.3389
Android (android.graphics.Color)	4294425522 (0xFFF7BBB2)
YUV	203.9140, -12.7756, 37.7864
Hunter-Lab	76.5044, 15.8248, 14.7766

# Details

The XYZ color **64.1640, 58.5292, 50.0349** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **65.7222, 77.3270, 99.4576**, and the grayscale version is **57.4026, 60.3920, 65.7669**.

A 20% lighter version of the original color is **88.1419, 91.3017, 90.8193**, and **33.2130, 29.3497, 23.3166** is the 20% darker color. If you saturate the color by 10%, you get **57.6835, 49.1859, 36.7212**, and if you desaturate by 10%, it is **71.7756, 69.4193, 65.9298**.

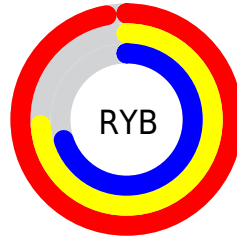
# Distribution



Red (97%)

Green (73%)

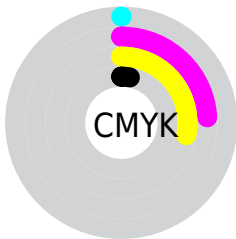
Blue (70%)



Red (97%)

Yellow (74%)

Blue (70%)

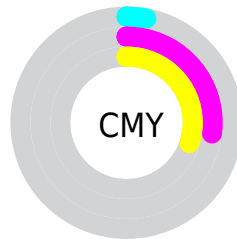


Cyan (0%)

Magenta (24%)

Yellow (28%)

Black (3%)



Cyan (3%)

Magenta (27%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1640, 58.5292, 50.0349 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 64.1640, 58.5292, 50.0349 by changing the saturation by 10% instead.



64.1640, 58.5292,  
50.0349

64.1640, 58.5292,  
50.0349

429.3745,  
419.1550, 403.5414

47.0457, 42.2342,  
35.0698

109.9195,  
102.6931, 91.6234

33.2799, 29.2848,  
23.4326

139.2874,  
131.3308, 119.0839

22.5012, 19.2963,  
14.7050

173.4692,  
164.8516, 151.5465

14.3443, 11.8846,  
8.4683

212.8303,  
203.6398, 189.4299

8.4438, 6.6651,  
4.3040

257.7360,  
248.0799, 233.1525

4.4344, 3.2536,  
1.7935


308.5517,


1.9507, 1.2655,


298.5561, 283.1329


0.4237


365.6428,  
355.4530, 339.7897


 0.6060, 0.1143,  
0.0000

 0.0000, 0.0000,  
0.0000


 64.1640, 58.5292,  
50.0349


 64.1640, 58.5292,  
50.0349


 57.6835, 49.1859,  
36.7212


 71.7756, 69.4193,  
65.9298


 52.2752, 41.3113,  
25.8489

 80.5640, 81.9134,  
84.5286

 47.8821, 34.8328,  
17.2702

 90.5781, 96.0758,  
105.9503

 44.4399, 29.6685,  
10.8199

 92.1679, 98.5142,  
108.7651

■ 41.8768, 25.7277,  
6.3108

■ 40.1102, 22.9079,  
3.5227

■ 39.0372, 21.0881,  
2.1594

■ 38.8808, 20.8200,  
1.9694

# Harmonies

## Analogous

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



65.8239, 58.5292, 62.5522



64.1640, 58.5292, 50.0349



60.2062, 58.5292, 42.2563

# Triad

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



64.1640, 58.5292, 50.0349



47.5159, 58.5292, 51.7997



56.0445, 58.5292, 95.4689

# Complementary

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



64.1640, 58.5292, 50.0349



65.7222, 77.3270, 99.4576

# 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.



51.2922, 58.5292, 91.4645



64.1640, 58.5292, 50.0349



46.5473, 58.5292, 64.9191

# Square

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



64.1640, 58.5292, 50.0349



50.6172, 58.5292, 43.1626



47.8888, 58.5292, 79.7167



60.9638, 58.5292, 89.9670



# Rectangle

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



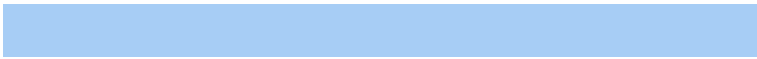
64.1640, 58.5292, 50.0349



56.9047, 58.5292, 40.0974



47.8888, 58.5292, 79.7167



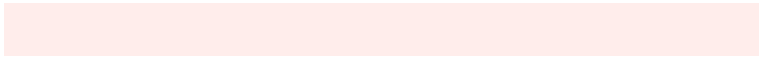
54.3749, 58.5292, 95.1897

# Sweetspot

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



64.1656, 58.5319, 50.0361



86.5379, 87.9555, 90.7107



69.8512, 57.8446, 89.1065



18.2004, 18.3690, 18.7306



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.



64.1656, 58.5319, 50.0361



64.5795, 56.5857, 44.7109



72.1319, 74.4646, 52.6915



16.6734, 16.8310, 17.1675



20.6189, 11.1234, 1.0603

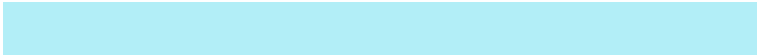


1.8660, 1.0853, 0.1111



# Inverse Universe

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



65.7222, 77.3270, 99.4576



66.5184, 80.0897, 106.5607



56.8492, 59.5810, 96.5000



16.8014, 18.3672, 21.2023



21.7738, 29.3415, 51.0539



1.9640, 2.6794, 4.5039



# Previews

## White Background



This preview shows how the XYZ color 64.1640, 58.5292, 50.0349 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

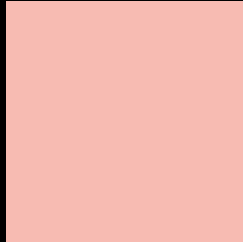
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.1640, 58.5292, 50.0349 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 64.1640, 58.5292, 50.0349**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.1640, 58.5292, 50.0349.



This preview shows how white text looks on a background with the XYZ color 64.1640, 58.5292,



# 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

64.1640, 58.5292, 50.0349

### Protanopia

55.9381, 58.8314, 54.3063

### Deuteranopia

59.8607, 58.5809, 49.7472



## Tritanopia

66.4005, 58.4979, 61.2176

# Trichromacy



## Original Color

64.1640, 58.5292, 50.0349

## Protanomaly

58.6149, 58.5452, 52.4670

## Deuteranomaly

61.1587, 58.2688, 49.6186

## Tritanomaly

65.4643, 58.4160, 57.1153

# Monochromacy



## Original Color

64.1640, 58.5292, 50.0349

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

59.5596, 59.5439, 59.9838

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.1640, 58.5292, 50.0349 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(247, 187, 178)` looks like.

```
.text, #text, p{  
    color:rgb(247, 187, 178)  
}
```

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(247, 187, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 187, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 64.1640, 58.5292, 50.0349 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(247, 187, 178) }
```



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

```
.border{ border-color:rgb(247, 187, 178) }
```

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

Here you see how a box with a 4 pixel rgb(247, 187, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 187, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 187, 178);  
box-shadow:4px 4px 4px 4px rgb(247, 187,  
178) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.1640, 58.5292, 50.0349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 187, 178) }
```

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

```
.background{ background-color: rgb(247,  
187, 178) }
```

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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