

# Converting Colors

XYZ(64.1749, 58.1923, 37.1280)

Have a look what the booklet for  
XYZ(64.1749, 58.1923, 37.1280)  
contains.

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# Color

**XYZ(64.1749, 58.1923,  
37.1280)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | FFB997                    |
| RGB         | 255, 185, 151             |
| RGB Percent | 100%, 73%, 59%            |
| CMY         | 0.0000, 0.2745, 0.4078    |
| CMYK        | 0.00, 0.27, 0.41, 0.00    |
| HSL         | 20°, 100%, 80%            |
| HSV         | 20°, 41%, 100%            |
| XYZ         | 64.1749, 58.1923, 37.1280 |
| YIQ         | 202.0540, 52.6340, 4.2660 |

# Conversions

## Conversions Part 2

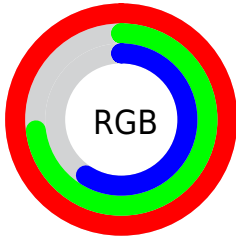
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 255, 202, 151                  |
| Decimal                             | 16759191                       |
| CIE <sub>Lab</sub>                  | 80.85, 21.21, 27.25            |
| CIE <sub>LCh</sub>                  | 81, 34.529, 52.109             |
| Yxy                                 | 58.1923, 0.4024,<br>0.3649     |
| Android<br>(android.graphics.Color) | 4294949271<br>(0xFFFFB997)     |
| YUV                                 | 202.0540, -25.1696,<br>46.4336 |
| Hunter-Lab                          | 76.2839, 16.6689,<br>24.5418   |

# Details

The XYZ color **64.1749, 58.1923, 37.1280** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **56.6679, 65.5097, 104.2656**, and the grayscale version is **56.3032, 59.2353, 64.5072**.

A 20% lighter version of the original color is **83.7147, 88.5784, 70.4427**, and **33.3165, 29.1584, 15.9288** is the 20% darker color. If you saturate the color by 10%, you get **58.9477, 50.7014, 26.2499**, and if you desaturate by 10%, it is **70.2863, 66.7348, 50.5116**.

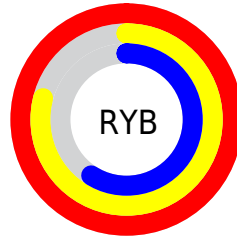
# Distribution



Red (100%)

Green (73%)

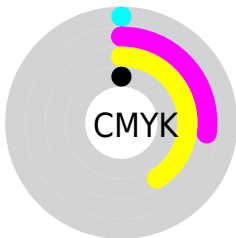
Blue (59%)



Red (100%)

Yellow (79%)

Blue (59%)

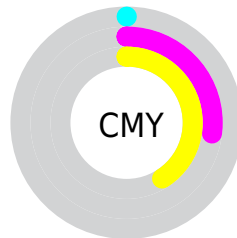


Cyan (0%)

Magenta (27%)

Yellow (41%)

Black (0%)



Cyan (0%)

Magenta (27%)


Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1749, 58.1923, 37.1280 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 64.1749, 58.1923, 37.1280 by changing the saturation by 10% instead.





 64.1749, 58.1923,  
37.1280


 64.1749, 58.1923,  
37.1280


429.4132,  
417.9021, 349.0497

 47.0546, 41.9633,  
25.0100


 109.9351,  
102.2028, 71.9581

 33.2869, 29.0725,  
15.8655


 139.3057,  
130.7531, 95.5074

 22.5066, 19.1357,  
9.2757


173.4904,  
164.1793, 123.7042

 14.3483, 11.7684,  
4.8222

212.8546,  
202.8657, 156.9670

 8.4466, 6.5862,  
2.0864

257.7636,  
247.1969, 195.7144

 4.4362, 3.2047,  
0.6077

308.5828,

 1.9518, 1.2395,

297.5570, 240.3650

0.0000

365.6775,  
354.3306, 291.3373

0.6067, 0.0936,  
0.0000

0.0000, 0.0000,  
0.0000

64.1749, 58.1923,  
37.1280

64.1749, 58.1923,  
37.1280

58.9477, 50.7014,  
26.2499

70.2863, 66.7348,  
50.5116

54.5559, 44.2113,  
17.7152

77.3188, 76.3602,  
66.5419

50.9519, 38.6791,  
11.3479

85.3120, 87.1089,  
85.3538

48.0812, 34.0553,  
6.9451

94.3023, 99.0168,  
107.0717

■ 45.8802, 30.2848, 95.0500, 100.0000,  
4.2646 108.9000

■ 44.3623, 27.5047,  
2.9708

# Harmonies

## Analogous

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



69.0252, 58.1923, 49.6891



64.1749, 58.1923, 37.1280



57.2159, 58.1923, 31.8570

# Triad

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



64.1749, 58.1923, 37.1280



42.7985, 58.1923, 58.1167



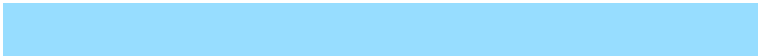
60.6381, 58.1923, 107.2011

# Complementary

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



64.1749, 58.1923, 37.1280



56.6679, 65.5097, 104.2656

# 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.



53.4470, 58.1923, 110.8162



64.1749, 58.1923, 37.1280



43.5438, 58.1923, 79.3367

# Square

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



64.1749, 58.1923, 37.1280



45.1702, 58.1923, 42.1566



47.3016, 58.1923, 99.7197



66.8639, 58.1923, 90.6984



# Rectangle

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



64.1749, 58.1923, 37.1280



52.4806, 58.1923, 32.1757



47.3016, 58.1923, 99.7197



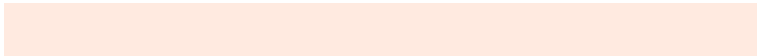
58.2393, 58.1923, 110.0886

# Sweetspot

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



64.1764, 58.1951, 37.1292



84.2873, 85.7403, 82.9129



65.5007, 48.6712, 75.0967



17.8089, 18.0414, 17.1959



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.



64.1764, 58.1951, 37.1292



59.8177, 51.9633, 28.0139



76.8024, 83.4471, 41.3378



18.4944, 18.9569, 18.8286



23.3006, 14.6125, 1.5924



2.3635, 1.6123, 0.1866



# Inverse Universe

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



56.6679, 65.5097, 104.2656



51.3467, 60.1360, 103.5089



45.2003, 42.5744, 100.4431



18.0249, 19.4215, 23.0487



17.2444, 19.3983, 52.2700



1.7787, 2.0882, 5.1226



# Previews

## White Background



This preview shows how the XYZ color 64.1749, 58.1923, 37.1280 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 64.1749, 58.1923, 37.1280 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 64.1749, 58.1923, 37.1280**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.1749, 58.1923, 37.1280.



This preview shows how white text looks on a background with the XYZ color 64.1749, 58.1923,

37.1280.

# 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

64.1749, 58.1923, 37.1280

### Protanopia

54.7898, 58.5381, 40.7590

### Deuteranopia

59.5000, 58.3465, 36.9802



## Tritanopia

67.5015, 58.2028, 58.7155

# Trichromacy



## Original Color

64.1749, 58.1923, 37.1280

## Protanomaly

57.7446, 58.0548, 39.1726

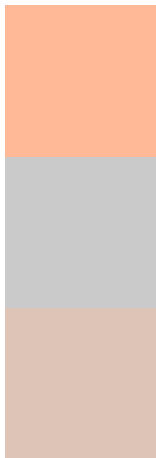
## Deuteranomaly

61.2267, 58.2620, 36.8729

## Tritanomaly

66.0038, 57.9302, 49.8224

# Monochromacy



## Original Color

64.1749, 58.1923, 37.1280

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

58.1060, 58.2709, 52.9846

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.1749, 58.1923, 37.1280 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(255, 185, 151)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 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(255, 185, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 64.1749, 58.1923, 37.1280 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(255, 185, 151) }
```



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

```
.border{ border-color:rgb(255, 185, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 185, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 185, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 185, 151);  
box-shadow:4px 4px 4px 4px rgb(255, 185,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.1749, 58.1923, 37.1280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 185, 151) }
```

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

```
.background{ background-color: rgb(255,  
185, 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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