

# Converting Colors

XYZ(66.8429, 59.1934, 43.7035)

Have a look what the booklet for  
XYZ(66.8429, 59.1934, 43.7035)  
contains.

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# Color

**XYZ(65.1720, 58.2576,  
43.4072)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB8A5
RGB	255, 184, 165
RGB Percent	100%, 72%, 65%
CMY	0.0000, 0.2784, 0.3529
CMYK	0.00, 0.28, 0.35, 0.00
HSL	13°, 100%, 82%
HSV	13°, 35%, 100%
XYZ	65.1720, 58.2576, 43.4072
YIQ	203.0630, 48.4150, 9.1430

# Conversions

## Conversions Part 2

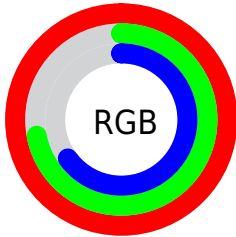
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 189, 165
Decimal	16758949
CIE Lab	80.88, 23.31, 19.84
CIE LCh	81, 30.611, 40.404
Yxy	58.2576, 0.3906, 0.3492
Android (android.graphics.Color)	4294949029 (0xFFFFB8A5)
YUV	203.0630, -18.7651, 45.5487
Hunter-Lab	76.3267, 18.8417, 19.7103

# Details

The XYZ color **65.1720, 58.2576, 43.4072** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **63.5613, 75.2074, 105.7742**, and the grayscale version is **56.8985, 59.8616, 65.1893**.

A 20% lighter version of the original color is **85.3184, 88.7475, 80.3434**, and **33.8619, 29.1606, 19.4666** is the 20% darker color. If you saturate the color by 10%, you get **59.1930, 49.6509, 31.0824**, and if you desaturate by 10%, it is **72.2110, 68.2433, 58.3694**.

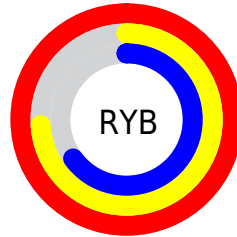
# Distribution



Red (100%)

Green (72%)

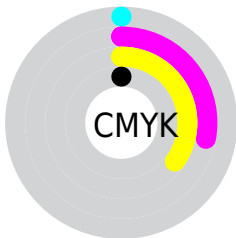
Blue (65%)



Red (100%)

Yellow (74%)

Blue (65%)

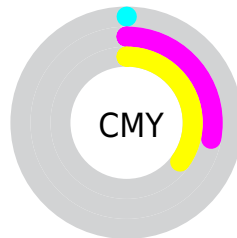


Cyan (0%)

Magenta (28%)

Yellow (35%)

Black (0%)



Cyan (0%)

Magenta (28%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.1720, 58.2576, 43.4072 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 65.1720, 58.2576, 43.4072 by changing the saturation by 10% instead.





 65.1720, 58.2576,  
43.4072


 65.1720, 58.2576,  
43.4072


432.9453,  
418.1451, 376.2540

 47.8658, 42.0158,  
29.8710


 111.3614,  
102.2979, 81.6179

 33.9314, 29.1136,  
19.4895


 140.9754,  
130.8651, 107.1295

 23.0036, 19.1668,  
11.8441


175.4226,  
164.3097, 137.4699

 14.7168, 11.7909,  
6.5164

215.0684,  
203.0159, 173.0578

 8.7059, 6.6014,  
3.0877

260.2783,  
247.3681, 214.3116

 4.6054, 3.2141,  
1.1396

311.4174,

 2.0500, 1.2445,

297.7508, 261.6498

0.0000

368.8513,  
354.5483, 315.4911

0.6618, 0.0976,  
0.0000

0.0000, 0.0000,  
0.0000

65.1720, 58.2576,  
43.4072

65.1720, 58.2576,  
43.4072

59.1930, 49.6509,  
31.0824

72.2110, 68.2433,  
58.3694

54.2168, 42.3538,  
21.2376

80.3542, 79.6566,  
76.1069

50.1876, 36.3035,  
13.7039

89.6489, 92.5543,  
96.7521

47.0420, 31.4284,  
8.2897

95.0500, 100.0000,  
108.9000

■ 44.7082, 27.6494,  
4.7723

■ 43.1014, 24.8767,  
2.8779

■ 42.5521, 23.8843,  
2.3674

# Harmonies

## Analogous

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



68.2331, 58.2576, 57.3411



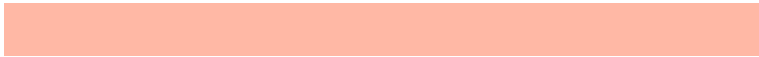
65.1720, 58.2576, 43.4072



59.5573, 58.2576, 35.9244

# Triad

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



65.1720, 58.2576, 43.4072



44.6745, 58.2576, 52.4405



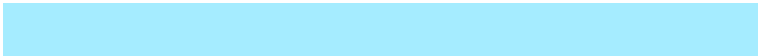
57.6003, 58.2576, 104.2870

# Complementary

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



65.1720, 58.2576, 43.4072



63.5613, 75.2074, 105.7742

# 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.



51.3877, 58.2576, 102.2849



65.1720, 58.2576, 43.4072



44.2381, 58.2576, 69.9409

# Square

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



65.1720, 58.2576, 43.4072



47.8485, 58.2576, 40.4100



46.6074, 58.2576, 88.8280



63.6457, 58.2576, 93.8672



# Rectangle

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



65.1720, 58.2576, 43.4072



55.2863, 58.2576, 34.5600



46.6074, 58.2576, 88.8280



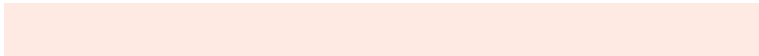
55.4579, 58.2576, 105.0865

# Sweetspot

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



65.1735, 58.2604, 43.4084



84.2013, 85.0094, 84.6074



69.9815, 54.2852, 86.9106



17.7576, 17.8273, 17.5224



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.



65.1735, 58.2604, 43.4084



61.0491, 52.3384, 34.8602



75.7752, 79.4637, 46.9422



18.3202, 18.6085, 18.7706



22.3207, 12.6526, 1.2658

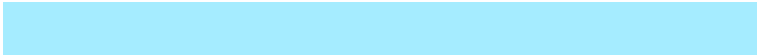


2.2480, 1.3814, 0.1482

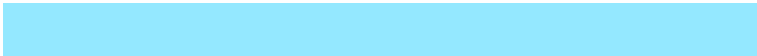


# Inverse Universe

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



63.5613, 75.2074, 105.7742



59.2093, 71.4359, 105.2756



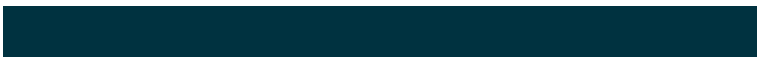
52.4172, 52.9192, 102.0595



18.2101, 19.7918, 23.1104



20.4761, 25.8619, 53.3472



2.0713, 2.6732, 5.2201



# Previews

## White Background



This preview shows how the XYZ color 65.1720, 58.2576, 43.4072 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

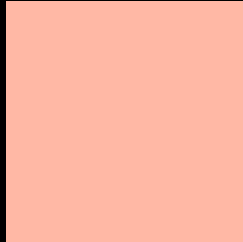
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.1720, 58.2576, 43.4072 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

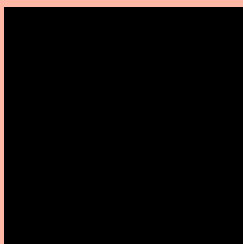
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 65.1720, 58.2576, 43.4072**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.1720, 58.2576, 43.4072.



This preview shows how white text looks on a background with the XYZ color 65.1720, 58.2576,

43.4072.

# 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

65.1720, 58.2576, 43.4072

### Protanopia

55.2934, 58.6393, 47.9394

### Deuteranopia

59.6125, 58.2767, 42.7569



## Tritanopia

67.5015, 58.2028, 58.7155

# Trichromacy



## Original Color

65.1720, 58.2576, 43.4072

## Protanomaly

58.4494, 58.2634, 46.1956

## Deuteranomaly

61.7322, 58.3845, 43.1377

## Tritanomaly

66.5152, 58.1348, 52.5152

# Monochromacy



## Original Color

65.1720, 58.2576, 43.4072

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

59.0494, 58.6836, 56.3589

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.1720, 58.2576, 43.4072 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, 184, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 184, 165)  
}
```

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, 184, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 184, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 65.1720, 58.2576, 43.4072 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, 184, 165) }
```



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

```
.border{ border-color:rgb(255, 184, 165) }
```

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

Here you see how a box with a 4 pixel rgb(255, 184, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 184, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 184, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 184,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.1720, 58.2576, 43.4072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 184, 165) }
```

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

```
.background{ background-color: rgb(255,  
184, 165) }
```

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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