

# Converting Colors

XYZ(66.0049, 57.7226, 50.4696)

Have a look what the booklet for  
XYZ(66.0049, 57.7226, 50.4696)  
contains.

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# Color

**XYZ(65.9006, 57.5624,  
50.2851)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FFB5B3                     |
| RGB         | 255, 181, 179              |
| RGB Percent | 100%, 71%, 70%             |
| CMY         | 0.0000, 0.2902, 0.2980     |
| CMYK        | 0.00, 0.29, 0.30, 0.00     |
| HSL         | 2°, 100%, 85%              |
| HSV         | 2°, 30%, 100%              |
| XYZ         | 65.9006, 57.5624, 50.2851  |
| YIQ         | 202.8980, 44.7460, 15.0660 |

# Conversions

## Conversions Part 2

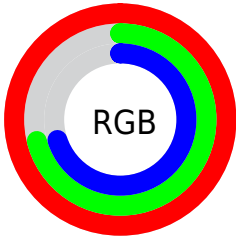
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 255, 181, 179                  |
| Decimal                             | 16758195                       |
| CIE Lab                             | 80.49, 26.61, 11.78            |
| CIE LCh                             | 80, 29.104, 23.870             |
| Yxy                                 | 57.5624, 0.3793,<br>0.3313     |
| Android<br>(android.graphics.Color) | 4294948275<br>(0xFFFFB5B3)     |
| YUV                                 | 202.8980, -11.7817,<br>45.6935 |
| Hunter-Lab                          | 75.8699, 22.2728,<br>13.8127   |

# Details

The XYZ color **65.9006, 57.5624, 50.2851** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **71.7644, 87.0512, 107.6279**, and the grayscale version is **56.7539, 59.7095, 65.0237**.

A 20% lighter version of the original color is **86.5196, 87.8265, 90.9894**, and **34.5110, 28.8150, 23.4816** is the 20% darker color. If you saturate the color by 10%, you get **58.9498, 47.4136, 36.3993**, and if you desaturate by 10%, it is **74.2306, 69.7062, 66.9847**.

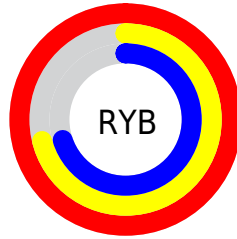
# Distribution



Red (100%)

Green (71%)

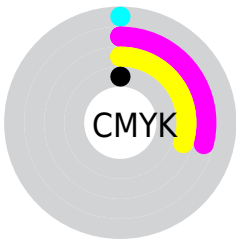
Blue (70%)



Red (100%)

Yellow (71%)

Blue (70%)

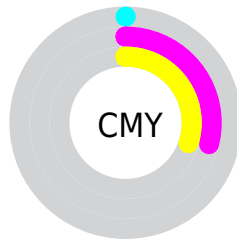


Cyan (0%)

Magenta (29%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (29%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.9006, 57.5624, 50.2851 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 65.9006, 57.5624, 50.2851 by changing the saturation by 10% instead.





 65.9006, 57.5624,  
50.2851

 65.9006, 57.5624,  
50.2851


435.5156,  
415.5534, 404.5468

 48.4591, 41.4569,  
35.2672

 112.4022,  
101.2853, 91.9978

 34.4034, 28.6763,  
23.5836


142.1930,  
129.6716, 119.5297

 23.3680, 18.8361,  
14.8157


176.8310,  
162.9203, 152.0700

 14.9877, 11.5519,  
8.5449

216.6814,  
201.4157, 190.0373

 8.8970, 6.4393,  
4.3528

262.1098,  
245.5424, 233.8501

 4.7306, 3.1140,  
1.8208

313.4813,

 2.1232, 1.1915,

295.6846, 283.9269

0.4417

371.1615,  
352.2268, 340.6863

■ 0.7018, 0.0548,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 65.9006, 57.5624,  
50.2851

■ 65.9006, 57.5624,  
50.2851

■ 58.9498, 47.4136,  
36.3993

■ 74.2306, 69.7062,  
66.9847

■ 53.3000, 39.1458,  
25.1692

■ 84.0042, 83.9354,  
86.6375

■ 48.8715, 32.6458,  
16.4266

95.0500, 100.0000,  
108.9000

■ 45.5741, 27.7849,  
9.9824

■ 43.3054, 24.4169,  
5.6207

■ 41.9441, 22.3699,  
3.0845

■ 41.3211, 21.4177,  
1.9706

■ 41.3130, 21.4060,  
1.9543

# Harmonies

## Analogous

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



66.9439, 57.5624, 66.2541



65.9006, 57.5624, 50.2851



61.7665, 57.5624, 39.6856

# Triad

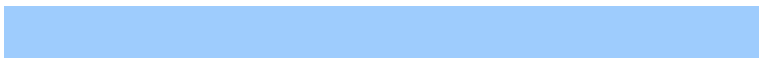
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.9006, 57.5624, 50.2851



45.9493, 57.5624, 45.2131



53.4941, 57.5624, 101.3989

# Complementary

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



65.9006, 57.5624, 50.2851



71.7644, 87.0512, 107.6279

# 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.



48.2150, 57.5624, 93.1732



65.9006, 57.5624, 50.2851



44.0678, 57.5624, 59.2285

# Square

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



65.9006, 57.5624, 50.2851



50.1940, 57.5624, 37.1516



44.8662, 57.5624, 76.9508



59.4919, 57.5624, 97.8236



# Rectangle

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



65.9006, 57.5624, 50.2851



57.9645, 57.5624, 36.0902



44.8662, 57.5624, 76.9508



51.5822, 57.5624, 99.8812

# Sweetspot

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



65.9020, 57.5650, 50.2862



84.8541, 85.1720, 88.3487



75.2071, 60.6394, 101.2829



17.8344, 17.7532, 18.2501



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.



65.9020, 57.5650, 50.2862



61.4364, 51.0467, 41.3593



74.5176, 74.7963, 53.1581



18.0478, 18.0637, 18.6798



21.6036, 11.2183, 1.0267



2.1164, 1.1181, 0.1043



# Inverse Universe

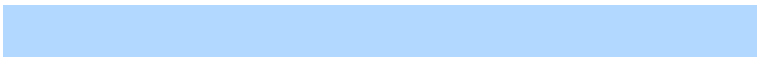
The Inverse Universe completely reimagines the original color for something new.



71.7644, 87.0512, 107.6279



68.1875, 85.0121, 107.4229



61.1285, 65.7794, 104.0826



18.5114, 20.3943, 23.2108



27.0335, 38.9766, 55.5330

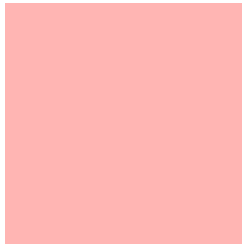


2.6446, 3.8200, 5.4112



# Previews

## White Background



This preview shows how the XYZ color 65.9006, 57.5624, 50.2851 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

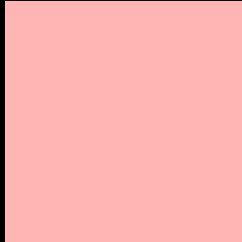
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.9006, 57.5624, 50.2851 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 65.9006, 57.5624, 50.2851

## Background



This preview shows how black text looks on a background with the XYZ color 65.9006, 57.5624, 50.2851.



This preview shows how white text looks on a background with the XYZ color 65.9006, 57.5624,

50.2851.

# 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

65.9006, 57.5624, 50.2851

### Protanopia

55.0623, 57.6428, 56.3682

### Deuteranopia

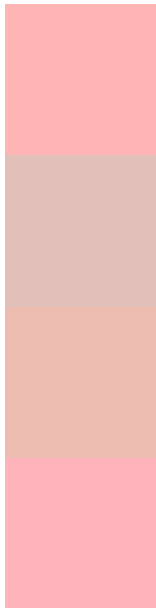
59.0007, 57.8082, 49.6434



## Tritanopia

67.1869, 57.7528, 58.0583

# Trichromacy



**Original Color**

65.9006, 57.5624, 50.2851

**Protanomaly**

58.3471, 57.0493, 53.8353

**Deuteranomaly**

61.4934, 57.7867, 50.0324

**Tritanomaly**

66.6384, 57.5334, 55.1698

# Monochromacy



**Original Color**

65.9006, 57.5624, 50.2851

**Achromatopsia**

56.7640, 59.7202, 65.0353

**Achromatomaly**

59.3769, 58.4549, 59.1924

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.9006, 57.5624, 50.2851 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, 181, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 181, 179)  
}
```

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, 181, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 181, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 65.9006, 57.5624, 50.2851 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, 181, 179) }
```



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

```
.border{ border-color:rgb(255, 181, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 181, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 181, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 181, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 181,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.9006, 57.5624, 50.2851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 181, 179) }
```

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

```
.background{ background-color: rgb(255,  
181, 179) }
```

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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