

# Converting Colors

XYZ(66.5007, 56.1944, 58.4031)

Have a look what the booklet for  
XYZ(66.5007, 56.1944, 58.4031)  
contains.

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# Color

**XYZ(66.5029, 56.2057,  
58.3826)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB0C2
RGB	255, 176, 194
RGB Percent	100%, 69%, 76%
CMY	0.0000, 0.3098, 0.2392
CMYK	0.00, 0.31, 0.24, 0.00
HSL	346°, 100%, 85%
HSV	346°, 31%, 100%
XYZ	66.5029, 56.2057, 58.3826
YIQ	201.6730, 41.3060, 22.3460

# Conversions

## Conversions Part 2

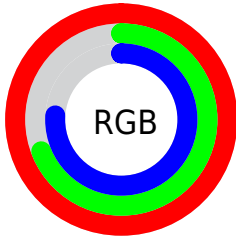
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 176, 194
Decimal	16756930
CIE <sub>Lab</sub>	79.73, 31.25, 2.57
CIE <sub>LCh</sub>	80, 31.358, 4.703
Yxy	56.2057, 0.3672, 0.3104
Android (android.graphics.Color)	4294947010 (0xFFFFB0C2)
YUV	201.6730, -3.7828, 46.7678
Hunter-Lab	74.9705, 27.1410, 6.3077

# Details

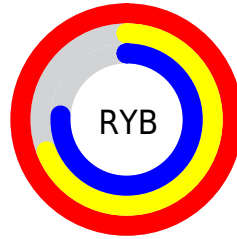
The XYZ color **66.5029, 56.2057, 58.3826** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **68.9528, 86.8656, 93.2573**, and the grayscale version is **55.9414, 58.8547, 64.0927**.

A 20% lighter version of the original color is **87.3519, 85.8754, 102.4141**, and **34.9166, 27.9593, 28.7557** is the 20% darker color. If you saturate the color by 10%, you get **59.8976, 46.3028, 45.9834**, and if you desaturate by 10%, it is **74.3432, 68.1091, 72.6405**.

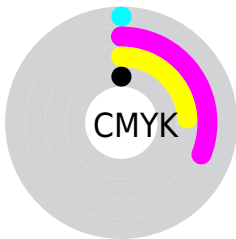
# Distribution



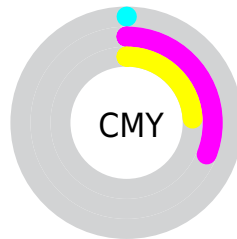
- Red (100%)
- Green (69%)
- Blue (76%)



- Red (100%)
- Yellow (69%)
- Blue (76%)



- Cyan (0%)
- Magenta (31%)
- Yellow (24%)
- Black (0%)



- Cyan (0%)
- Magenta (31%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5029, 56.2057, 58.3826 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 66.5029, 56.2057, 58.3826 by changing the saturation by 10% instead.



66.5029, 56.2057,  
58.3826

66.5029, 56.2057,  
58.3826

437.6336,  
410.4662, 436.2481

48.9500, 40.3679,  
41.6996

113.2616, 99.3053,  
104.0001

34.7942, 27.8255,  
28.5423

143.1980,  
127.3358, 133.7716

23.6701, 18.1941,  
18.4923

177.9930,  
160.1993, 168.7431

15.2125, 11.0895,  
11.1309

218.0119,  
198.2803, 209.3330

9.0560, 6.1270,  
6.0397

263.6200,  
241.9631, 255.9599

4.8351, 2.9225,  
2.8000


315.1828,

2.1846, 1.0914,


291.6321, 309.0424


0.9935


373.0656,  
347.6717, 368.9989


 0.7346, 0.0000,  
0.0000

 0.0000, 0.0000,  
0.0000


 66.5029, 56.2057,  
58.3826


 66.5029, 56.2057,  
58.3826


 59.8976, 46.3028,  
45.9834


 74.3432, 68.1091,  
72.6405

 54.4589, 38.2826,  
35.3618

 83.4737, 82.1068,  
88.8269

 50.1181, 32.0272,  
26.4354

 93.9511, 98.2959,  
107.0119

 46.7974, 27.4017,  
19.1137

95.0500, 100.0000,  
108.9000

■ 44.4082, 24.2517,  
13.2974

■ 42.8460, 22.3928,  
8.8750

■ 42.0060, 21.5664,  
5.9636

# Harmonies

## Analogous

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



65.2073, 56.2057, 77.3461



66.5029, 56.2057, 58.3826



64.0733, 56.2057, 43.4102

# Triad

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



66.5029, 56.2057, 58.3826



46.7834, 56.2057, 36.7681



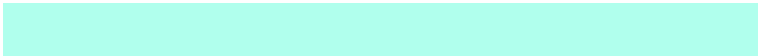
48.3847, 56.2057, 98.4620

# Complementary

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



66.5029, 56.2057, 58.3826



68.9528, 86.8656, 93.2573

# 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.



44.0215, 56.2057, 83.2828



66.5029, 56.2057, 58.3826



43.1495, 56.2057, 47.4709

# Square

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



66.5029, 56.2057, 58.3826



52.4294, 56.2057, 32.6018



42.1795, 56.2057, 64.1034



54.4268, 56.2057, 102.9601



# Rectangle

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



66.5029, 56.2057, 58.3826



60.7728, 56.2057, 36.9158



42.1795, 56.2057, 64.1034



46.6889, 56.2057, 94.3102

# Sweetspot

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



66.5043, 56.2083, 58.3837



85.4374, 85.1321, 92.2630



68.3576, 56.2035, 101.8533



17.9768, 17.7436, 19.2054



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.



66.5043, 56.2083, 58.3837



62.3821, 50.0109, 50.6986



69.0596, 64.3598, 49.8605



18.1788, 18.0548, 19.5589



21.9953, 11.2874, 3.3598



2.1810, 1.1148, 0.5345



# Inverse Universe

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



66.5043, 56.2083, 58.3837



62.3821, 50.0109, 50.6986



65.3603, 75.2595, 105.6894



18.1788, 18.0548, 19.5589



21.9953, 11.2874, 3.3598



2.1810, 1.1148, 0.5345



# Previews

## White Background



This preview shows how the XYZ color 66.5029, 56.2057, 58.3826 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 66.5029, 56.2057, 58.3826 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

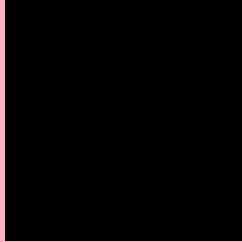
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 66.5029, 56.2057, 58.3826**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.5029, 56.2057, 58.3826.



This preview shows how white text looks on a background with the XYZ color 66.5029, 56.2057,



# 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

66.5029, 56.2057, 58.3826

### Protanopia

54.6600, 56.5308, 66.4232

### Deuteranopia

57.5500, 56.2388, 57.1122



## Tritanopia

66.2564, 56.4220, 56.1136

# Trichromacy



## Original Color

66.5029, 56.2057, 58.3826

## Protanomaly

58.0717, 55.7195, 63.5714

## Deuteranomaly

60.6776, 56.2472, 57.5279

## Tritanomaly

66.3661, 56.4659, 56.6913

# Monochromacy



## Original Color

66.5029, 56.2057, 58.3826

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

59.1976, 57.6356, 62.0376

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.5029, 56.2057, 58.3826 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, 176, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 194)  
}
```

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, 176, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 66.5029, 56.2057, 58.3826 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, 176, 194) }
```



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

```
.border{ border-color:rgb(255, 176, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 176, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.5029, 56.2057, 58.3826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 194) }
```

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

```
.background{ background-color: rgb(255,  
176, 194) }
```

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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