

# Converting Colors

XYZ(66.8123, 56.4673, 64.1199)

Have a look what the booklet for  
XYZ(66.8123, 56.4673, 64.1199)  
contains.

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# Color

**XYZ(66.6465, 56.4515,  
63.8835)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCB1CB
RGB	252, 177, 203
RGB Percent	99%, 69%, 80%
CMY	0.0118, 0.3059, 0.2039
CMYK	0.00, 0.30, 0.19, 0.01
HSL	339°, 93%, 84%
HSV	339°, 30%, 99%
XYZ	66.6465, 56.4515, 63.8835
YIQ	202.3890, 36.3540, 23.9860

# Conversions

## Conversions Part 2

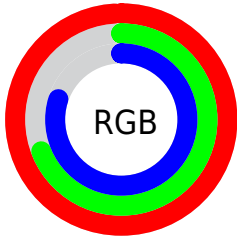
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	252, 177, 203
Decimal	16560587
CIE <sub>Lab</sub>	79.87, 30.97, -2.14
CIE <sub>LCh</sub>	80, 31.045, 356.049
Yxy	56.4515, 0.3564, 0.3019
Android (android.graphics.Color)	4294750667 (0xFFFCB1CB)
YUV	202.3890, 0.3012, 43.5088
Hunter-Lab	75.1342, 26.8505, 2.1821

# Details

The XYZ color **66.6465, 56.4515, 63.8835** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **66.6717, 84.4603, 84.7440**, and the grayscale version is **56.3656, 59.3010, 64.5788**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **34.8806, 28.0546, 32.0104** is the 20% darker color. If you saturate the color by 10%, you get **60.2619, 46.6571, 52.5833**, and if you desaturate by 10%, it is **74.1617, 68.1725, 76.5900**.

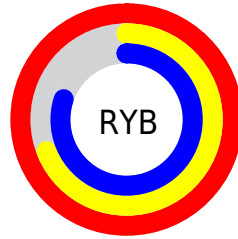
# Distribution



Red (99%)

Green (69%)

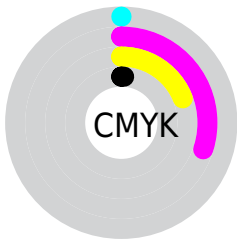
Blue (80%)



Red (99%)

Yellow (69%)

Blue (80%)

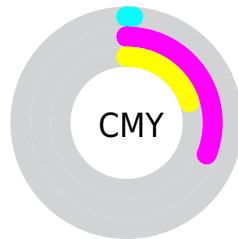


Cyan (0%)

Magenta (30%)

Yellow (19%)

Black (1%)



Cyan (1%)

Magenta (31%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6465, 56.4515, 63.8835 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 66.6465, 56.4515, 63.8835 by changing the saturation by 10% instead.





 66.6465, 56.4515,  
63.8835

 66.6465, 56.4515,  
63.8835


438.1377,  
411.3908, 456.9647

 49.0670, 40.5650,  
46.1107


 113.4663, 99.6644,  
112.0410

 34.8874, 27.9794,  
31.9839


143.4374,  
127.7596, 143.2628

 23.7423, 18.3101,  
21.0845


178.2698,  
160.6933, 179.8047

 15.2662, 11.1729,  
12.9939

218.3287,  
198.8496, 222.0853

 9.0940, 6.1832,  
7.2937

263.9796,  
242.6132, 270.5230

 4.8601, 2.9568,  
3.5652


315.5879,

 2.1993, 1.1092,


292.3683, 325.5365


1.3900


373.5188,  
348.4994, 387.5442


 0.7424, 0.0000,  
0.1339


 0.0000, 0.0000,  
0.0000

 66.6465, 56.4515,  
63.8835


 66.6465, 56.4515,  
63.8835


 60.2619, 46.6571,  
52.5833


 74.1617, 68.1725,  
76.5900


 54.9461, 38.6777,  
42.6350

 82.8558, 81.9084,  
90.7475

 50.6383, 32.4019,  
33.9854

 92.7798, 97.7512,  
106.4030

 47.2692, 27.7031,  
26.5758

 93.9551, 99.4356,  
108.8488

■ 44.7605, 24.4363,  
20.3427

■ 43.0196, 22.4295,  
15.2149

■ 41.9026, 21.4091,  
11.1013

■ 41.8798, 21.3894,  
11.0133

# Harmonies

## Analogous

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



64.3249, 56.4515, 82.9081



66.6465, 56.4515, 63.8835



65.2698, 56.4515, 47.4771

# Triad

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



66.6465, 56.4515, 63.8835



48.5182, 56.4515, 35.3058



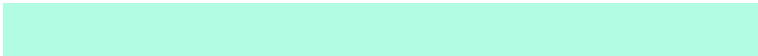
47.1811, 56.4515, 94.9034

# Complementary

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



66.6465, 56.4515, 63.8835



66.6717, 84.4603, 84.7440

# 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.



43.5077, 56.4515, 77.9639



66.6465, 56.4515, 63.8835



44.2363, 56.4515, 44.0818

# Square

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



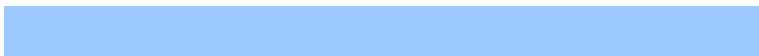
66.6465, 56.4515, 63.8835



54.4930, 56.4515, 32.9845



42.4728, 56.4515, 59.1104



52.8265, 56.4515, 102.8955



# Rectangle

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



66.6465, 56.4515, 63.8835



62.4938, 56.4515, 39.7518



42.4728, 56.4515, 59.1104



45.6924, 56.4515, 89.9232

# Sweetspot

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



66.6481, 56.4541, 63.8847



85.8396, 85.2930, 94.3810



64.5806, 54.6038, 99.2318



18.0754, 17.7831, 19.7243



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.



66.6481, 56.4541, 63.8847



64.2254, 51.4665, 58.1908



66.1193, 59.9457, 49.6840



17.4930, 17.3245, 19.1857



21.8779, 11.1669, 6.0656



2.0742, 1.0534, 0.8139



# Inverse Universe

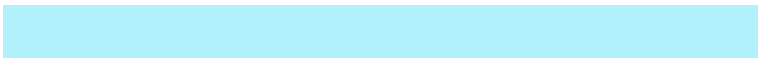
The Inverse Universe completely reimagines the original color for something new.



66.6481, 56.4541, 63.8847



64.2254, 51.4665, 58.1908



67.0854, 79.1397, 103.8357



17.4930, 17.3245, 19.1857



21.8779, 11.1669, 6.0656



2.0742, 1.0534, 0.8139



# Previews

## White Background



This preview shows how the XYZ color 66.6465, 56.4515, 63.8835 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

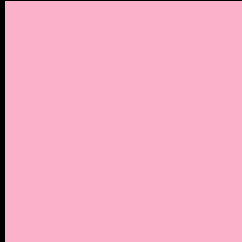
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.6465, 56.4515, 63.8835 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

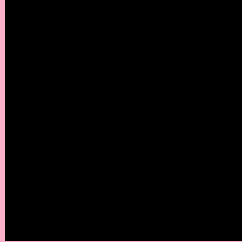
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 66.6465, 56.4515, 63.8835

## Background



This preview shows how black text looks on a background with the XYZ color 66.6465, 56.4515, 63.8835.



This preview shows how white text looks on a background with the XYZ color 66.6465, 56.4515,



# 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

66.6465, 56.4515, 63.8835

### Protanopia

55.2580, 56.7091, 72.3235

### Deuteranopia

57.8902, 56.6211, 62.5214



## Tritanopia

65.4182, 56.5552, 57.3375

# Trichromacy



## Original Color

66.6465, 56.4515, 63.8835



## Protanomaly

58.7866, 56.2818, 69.3931



## Deuteranomaly

60.9461, 56.5807, 62.9673



## Tritanomaly

65.6679, 56.3355, 59.6373

# Monochromacy



## Original Color

66.6465, 56.4515, 63.8835



## Achromatopsia

56.1383, 59.0619, 64.3184



## Achromatomaly

59.2458, 57.6198, 63.8763

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.6465, 56.4515, 63.8835 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(252, 177, 203)` looks like.

```
.text, #text, p{  
    color:rgb(252, 177, 203)  
}
```

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(252, 177, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 177, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 66.6465, 56.4515, 63.8835 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(252, 177, 203) }
```



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

```
.border{ border-color:rgb(252, 177, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 177, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 177, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 177, 203);  
box-shadow:4px 4px 4px 4px rgb(252, 177,  
203) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.6465, 56.4515, 63.8835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 177, 203) }
```

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

```
.background{ background-color: rgb(252,  
177, 203) }
```

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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