

# Converting Colors

XYZ(66.5056, 56.1043, 65.7952)

Have a look what the booklet for  
XYZ(66.5056, 56.1043, 65.7952)  
contains.

<b>XYZ(66.4496, 56.0161, 65.7024)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(66.4496, 56.0161,  
65.7024)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBB0CE
RGB	251, 176, 206
RGB Percent	98%, 69%, 81%
CMY	0.0157, 0.3098, 0.1922
CMYK	0.00, 0.30, 0.18, 0.02
HSL	336°, 90%, 84%
HSV	336°, 30%, 98%
XYZ	66.4496, 56.0161, 65.7024
YIQ	201.8450, 35.0700, 25.2300

# Conversions

## Conversions Part 2

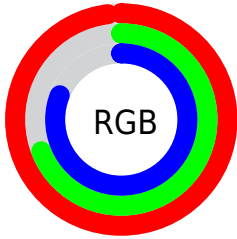
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 176, 206
Decimal	16494798
CIE Lab	79.62, 31.60, -4.14
CIE LCh	80, 31.869, 352.537
Yxy	56.0161, 0.3531, 0.2977
Android (android.graphics.Color)	4294684878 (0xFFFB0CE)
YUV	201.8450, 2.0484, 43.1089
Hunter-Lab	74.8439, 27.5031, 0.3425

# Details

The XYZ color **66.4496, 56.0161, 65.7024** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **65.4552, 83.4465, 81.0676**, and the grayscale version is **56.0161, 58.9333, 64.1784**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **34.7428, 27.7704, 33.2348** is the 20% darker color. If you saturate the color by 10%, you get **60.2328, 46.3713, 55.0316**, and if you desaturate by 10%, it is **73.7548, 67.5559, 77.6023**.

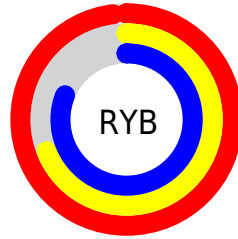
# Distribution



Red (98%)

Green (69%)

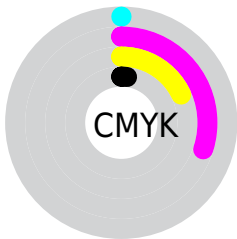
Blue (81%)



Red (98%)

Yellow (69%)

Blue (81%)

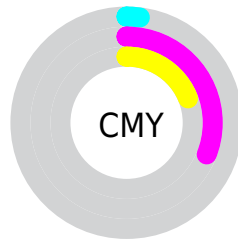


Cyan (0%)

Magenta (30%)

Yellow (18%)

Black (2%)



Cyan (2%)

Magenta (31%)

Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.4496, 56.0161, 65.7024 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 66.4496, 56.0161, 65.7024 by changing the saturation by 10% instead.



66.4496, 56.0161,  
65.7024

66.4496, 56.0161,  
65.7024

437.4464,  
409.7522, 463.6869

48.9065, 40.2158,  
47.5759

113.1855, 99.0281,  
114.6820

34.7596, 27.7069,  
33.1336

143.1091,  
127.0087, 146.3722

23.6434, 18.1048,  
21.9568

177.8902,  
159.8181, 183.4207

15.1926, 11.0253,  
13.6272

217.8943,  
197.8408, 226.2461

9.0419, 6.0838,  
7.7260

263.4865,  
241.4611, 275.2669

4.8258, 2.8961,  
3.8349


315.0324,

2.1791, 1.0777,


291.0636, 330.9016


1.5352


372.8973,  
347.0324, 393.5687


 0.7317, 0.0000,  
0.2440


 0.0000, 0.0000,  
0.0000


 66.4496, 56.0161,  
65.7024


 66.4496, 56.0161,  
65.7024


 60.2328, 46.3713,  
55.0316


 73.7548, 67.5559,  
77.6023


 55.0445, 38.5113,  
45.5439

 82.1947, 81.0776,  
90.7681

 50.8261, 32.3265,  
37.1950

 91.8185, 96.6719,  
105.2392

 47.5108, 27.6919,  
29.9361

 93.5940, 99.2494,  
108.8319

■ 45.0225, 24.4645,  
23.7141

■ 43.2715, 22.4746,  
18.4693

■ 42.1154, 21.4473,  
14.1228

■ 42.1032, 21.4371,  
14.0747

# Harmonies

## Analogous

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



63.6581, 56.0161, 85.1338



66.4496, 56.0161, 65.7024



65.4824, 56.0161, 48.4154

# Triad

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



66.4496, 56.0161, 65.7024



48.6471, 56.0161, 33.8093



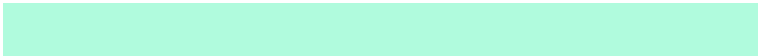
46.0775, 56.0161, 93.5936

# Complementary

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



66.4496, 56.0161, 65.7024



65.4552, 83.4465, 81.0676

# 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.



42.6301, 56.0161, 75.5772



66.4496, 56.0161, 65.7024



44.0283, 56.0161, 41.9090

# Square

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



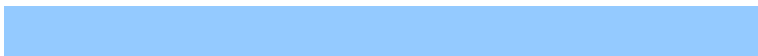
66.4496, 56.0161, 65.7024



54.8619, 56.0161, 32.2147



41.9112, 56.0161, 56.5123



51.6536, 56.0161, 103.2122



# Rectangle

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



66.4496, 56.0161, 65.7024



62.8698, 56.0161, 40.0690



41.9112, 56.0161, 56.5123



44.6503, 56.0161, 88.1646

# Sweetspot

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



66.4512, 56.0187, 65.7035



86.0221, 85.3660, 95.3421



62.7589, 53.3907, 98.2652



18.1202, 17.8010, 19.9603



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.



66.4512, 56.0187, 65.7035



64.7883, 51.6917, 61.1552



64.6590, 57.7201, 48.8106



17.5322, 17.3402, 19.3924



22.1982, 11.2950, 7.7520



2.1067, 1.0664, 0.9852



# Inverse Universe

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



66.4512, 56.0187, 65.7035



64.7883, 51.6917, 61.1552



67.5194, 80.5976, 103.2658



17.5322, 17.3402, 19.3924



22.1982, 11.2950, 7.7520



2.1067, 1.0664, 0.9852



# Previews

## White Background



This preview shows how the XYZ color 66.4496, 56.0161, 65.7024 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

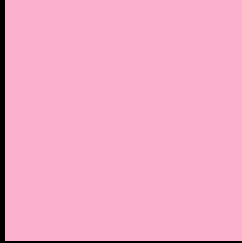
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.4496, 56.0161, 65.7024 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 66.4496, 56.0161, 65.7024**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.4496, 56.0161, 65.7024.



This preview shows how white text looks on a background with the XYZ color 66.4496, 56.0161,



# 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

66.4496, 56.0161, 65.7024

### Protanopia

54.9005, 56.1439, 74.2730

### Deuteranopia

57.3607, 56.3072, 64.3451



## Tritanopia

64.5017, 55.7863, 57.2374

# Trichromacy



## Original Color

66.4496, 56.0161, 65.7024



## Protanomaly

58.3595, 55.6973, 71.2931



## Deuteranomaly

60.1365, 55.8083, 64.7293



## Tritanomaly

65.2245, 55.7995, 60.1560

# Monochromacy



## Original Color

66.4496, 56.0161, 65.7024



## Achromatopsia

56.1383, 59.0619, 64.3184



## Achromatomaly

59.3647, 57.6674, 64.5020

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.4496, 56.0161, 65.7024 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(251, 176, 206)` looks like.

```
.text, #text, p{  
    color:rgb(251, 176, 206)  
}
```

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(251, 176, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 176, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 66.4496, 56.0161, 65.7024 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(251, 176, 206) }
```



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

```
.border{ border-color:rgb(251, 176, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 176, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 176, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 176, 206);  
box-shadow:4px 4px 4px 4px rgb(251, 176,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.4496, 56.0161, 65.7024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 176, 206) }
```

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

```
.background{ background-color: rgb(251,  
176, 206) }
```

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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