

# Converting Colors

XYZ(65.9453, 57.2397, 77.5413)

Have a look what the booklet for  
XYZ(65.9453, 57.2397, 77.5413)  
contains.

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# Color

**XYZ(65.9824, 57.3089,  
77.3961)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0B6DF
RGB	240, 182, 223
RGB Percent	94%, 71%, 87%
CMY	0.0588, 0.2863, 0.1255
CMYK	0.00, 0.24, 0.07, 0.06
HSL	318°, 66%, 83%
HSV	318°, 24%, 94%
XYZ	65.9824, 57.3089, 77.3961
YIQ	204.0160, 21.4070, 25.0470

# Conversions

## Conversions Part 2

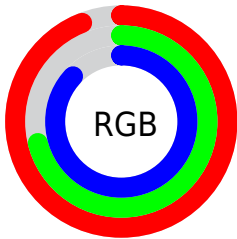
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	240, 182, 223
Decimal	15775455
CIE <sub>Lab</sub>	80.35, 27.41, -12.37
CIE <sub>LCh</sub>	80, 30.069, 335.719
Y <sub>xy</sub>	57.3089, 0.3288, 0.2856
Android (android.graphics.Color)	4293965535 (0xFFFF0B6DF)
YUV	204.0160, 9.3591, 31.5580
Hunter-Lab	75.7026, 23.1009, -7.6245

# Details

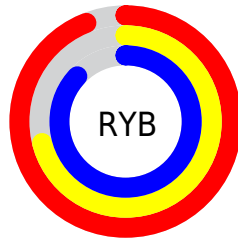
The XYZ color **65.9824, 57.3089, 77.3961** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **60.7626, 76.3904, 65.5786**, and the grayscale version is **57.3393, 60.3255, 65.6944**.

A 20% lighter version of the original color is **89.8645, 89.6291, 107.1715**, and **34.4466, 28.5949, 40.7496** is the 20% darker color. If you saturate the color by 10%, you get **60.5536, 47.9372, 71.0040**, and if you desaturate by 10%, it is **72.2963, 68.3861, 84.2790**.

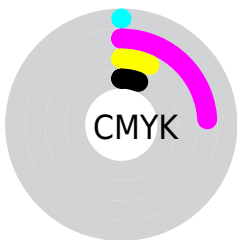
# Distribution



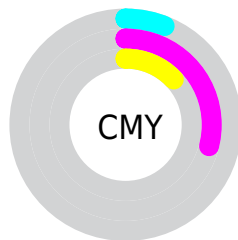
- Red (94%)
- Green (71%)
- Blue (87%)



- Red (94%)
- Yellow (71%)
- Blue (87%)



- Cyan (0%)
- Magenta (24%)
- Yellow (7%)
- Black (6%)



- Cyan (6%)
- Magenta (29%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.9824, 57.3089, 77.3961 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 65.9824, 57.3089, 77.3961 by changing the saturation by 10% instead.



65.9824, 57.3089,  
77.3961

65.9824, 57.3089,  
77.3961

435.8036,  
414.6058, 505.5870

48.5258, 41.2533,  
57.0645

112.5189,  
100.9158, 131.4766

34.4564, 28.5171,  
40.6473

142.3296,  
129.2358, 166.0626

23.4090, 18.7158,  
27.7260

176.9889,  
162.4128, 206.2371

15.0182, 11.4651,  
17.8820

216.8623,  
200.8312, 252.4187

8.9185, 6.3806,  
10.6967

262.3151,  
244.8752, 305.0260

4.7448, 3.0779,  
5.7517

313.7127,

2.1315, 1.1725,

294.9294, 364.4774

2.6284

371.4204,  
351.3782, 431.1916

0.7063, 0.0391,  
0.9070

0.0000, 0.0000,  
0.0000

65.9824, 57.3089,  
77.3961

65.9824, 57.3089,  
77.3961

60.5536, 47.9372,  
71.0040

72.2963, 68.3861,  
84.2790

55.9615, 40.1772,  
65.0823

79.5305, 81.2410,  
91.6647

52.1604, 33.9378,  
59.6140

87.7246, 95.9510,  
99.5694

49.0984, 29.1157,  
54.5794

89.1304, 97.0194,  
105.4126

■ 46.7168, 25.5946,  
49.9566

■ 89.7456, 97.2655,  
108.6518

■ 44.9479, 23.2396,  
45.7203

■ 43.7088, 21.8861,  
41.8404

■ 43.1582, 21.4145,  
39.7158

# Harmonies

## Analogous

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



61.6736, 57.3089, 94.1505



65.9824, 57.3089, 77.3961



67.1112, 57.3089, 59.0839

# Triad

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



65.9824, 57.3089, 77.3961



53.3000, 57.3089, 34.3922



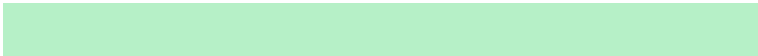
45.4183, 57.3089, 84.3451

# Complementary

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



65.9824, 57.3089, 77.3961



60.7626, 76.3904, 65.5786

# 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.



43.5258, 57.3089, 65.8372



65.9824, 57.3089, 77.3961



47.8511, 57.3089, 38.7344

# Square

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



65.9824, 57.3089, 77.3961



59.4819, 57.3089, 36.3291



44.3819, 57.3089, 49.4774



49.7486, 57.3089, 98.6622



# Rectangle

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



65.9824, 57.3089, 77.3961



65.8400, 57.3089, 48.8204



44.3819, 57.3089, 49.4774



44.4914, 57.3089, 78.2888

# Sweetspot

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



65.9841, 57.3115, 77.3973



88.7865, 88.8028, 102.7127



55.8617, 51.8149, 89.4960



18.8938, 18.8113, 21.8735



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.



65.9841, 57.3115, 77.3973



72.5283, 60.2298, 85.1360



62.4666, 55.9044, 58.8743



16.2453, 15.9478, 18.8479



23.6861, 11.7469, 22.0614



2.0137, 0.9945, 2.0627



# Inverse Universe

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



65.9841, 57.3115, 77.3973



72.5283, 60.2298, 85.1360



64.3785, 77.8367, 84.6194



16.2453, 15.9478, 18.8479



23.6861, 11.7469, 22.0614



2.0137, 0.9945, 2.0627



# Previews

## White Background



This preview shows how the XYZ color 65.9824, 57.3089, 77.3961 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

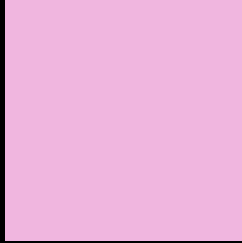
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.9824, 57.3089, 77.3961 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

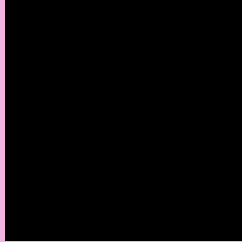
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 65.9824, 57.3089, 77.3961**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.9824, 57.3089, 77.3961.



This preview shows how white text looks on a background with the XYZ color 65.9824, 57.3089,



# 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

65.9824, 57.3089, 77.3961

### Protanopia

56.8944, 57.6088, 85.2118

### Deuteranopia

58.6374, 57.3593, 76.3875



## Tritanopia

62.9093, 57.2925, 62.3865

# Trichromacy



## Original Color

65.9824, 57.3089, 77.3961



## Protanomaly

59.5708, 57.0581, 82.0023



## Deuteranomaly

61.1135, 57.3165, 76.9494



## Tritanomaly

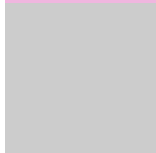
63.9940, 57.4291, 67.3866

# Monochromacy



## Original Color

65.9824, 57.3089, 77.3961



## Achromatopsia

57.3938, 60.3827, 65.7568



## Achromatomaly

60.1131, 58.9347, 69.8353

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.9824, 57.3089, 77.3961 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(240, 182, 223) looks like.

```
.text, #text, p{  
    color:rgb(240, 182, 223)  
}
```

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(240, 182, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 182, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 65.9824, 57.3089, 77.3961 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(240, 182, 223) }
```



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

```
.border{ border-color:rgb(240, 182, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 182, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 182, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 182, 223);  
box-shadow:4px 4px 4px 4px rgb(240, 182,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.9824, 57.3089, 77.3961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 182, 223) }
```

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

```
.background{ background-color: rgb(240,  
182, 223) }
```

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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