

# Converting Colors

XYZ(69.4386, 65.4193, 83.6383)

Have a look what the booklet for  
XYZ(69.4386, 65.4193, 83.6383)  
contains.

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# Color

**XYZ(69.6644, 65.6164,  
83.8564)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBCAE6
RGB	235, 202, 230
RGB Percent	92%, 79%, 90%
CMY	0.0784, 0.2078, 0.0980
CMYK	0.00, 0.14, 0.02, 0.08
HSL	309°, 45%, 86%
HSV	309°, 14%, 92%
XYZ	69.6644, 65.6164, 83.8564
YIQ	215.0590, 10.6800, 15.7040

# Conversions

## Conversions Part 2

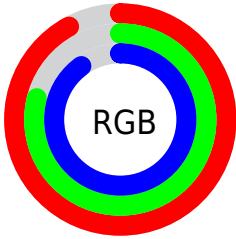
Format	Color
R <sub>Y</sub> B	235, 202, 230
Decimal	15452902
CIE Lab	84.80, 16.33, -9.53
CIE LCh	85, 18.905, 329.723
Yxy	65.6164, 0.3179, 0.2994
Android (android.graphics.Color)	4293642982 (0xFFEBCAE6)
YUV	215.0590, 7.3659, 17.4883
Hunter-Lab	81.0040, 11.7553, -4.6751

# Details

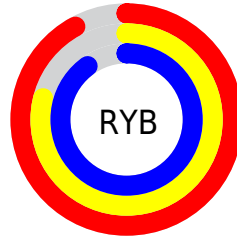
The XYZ color **69.6644, 65.6164, 83.8564** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **65.3305, 76.4801, 70.3539**, and the grayscale version is **64.5795, 67.9427, 73.9896**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8203, 33.8195, 44.6316** is the 20% darker color. If you saturate the color by 10%, you get **64.0705, 55.2198, 79.5501**, and if you desaturate by 10%, it is **76.1120, 77.7020, 88.4992**.

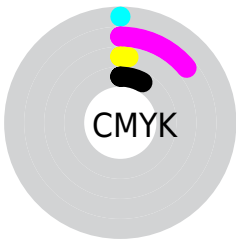
# Distribution



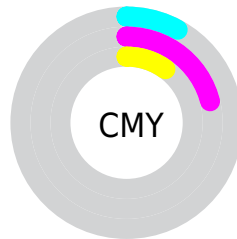
- Red (92%)
- Green (79%)
- Blue (90%)



- Red (92%)
- Yellow (79%)
- Blue (90%)



- Cyan (0%)
- Magenta (14%)
- Yellow (2%)
- Black (8%)



- Cyan (8%)
- Magenta (21%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6644, 65.6164, 83.8564 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 69.6644, 65.6164, 83.8564 by changing the saturation by 10% instead.



69.6644, 65.6164,  
83.8564

69.6644, 65.6164,  
83.8564

448.6556,  
445.0037, 527.8818

51.5316, 47.9611,  
62.3522

117.7589,  
112.9356, 140.6342

36.8546, 33.7961,  
44.8797

148.4513,  
143.3682, 176.7449

25.2681, 22.7370,  
31.0204

184.0610,  
178.8288, 218.5615

16.4067, 14.3994,  
20.3558

224.9533,  
219.7016, 266.5025

9.9051, 8.3990,  
12.4673

271.4935,  
266.3711, 320.9865

5.3978, 4.3513,  
6.9364

324.0471,

2.5197, 1.8719,

319.2217, 382.4320

3.3445

382.9793,  
378.6378, 451.2576

■ 0.9052, 0.5314,  
1.2731

■ 0.0000, 0.0000,  
0.0396

■ 69.6644, 65.6164,  
83.8564

■ 69.6644, 65.6164,  
83.8564

■ 64.0705, 55.2198,  
79.5501

■ 76.1120, 77.7020,  
88.4992

■ 59.2866, 46.4280,  
75.5632

■ 83.4430, 91.5390,  
93.4864

■ 55.2738, 39.1622,  
71.8832

■ 85.8515, 95.5145,  
96.8837

■ 51.9877, 33.3338,  
68.4949

■ 86.3879, 95.7290,  
99.7083

49.3794, 28.8450,  
65.3817

86.9348, 95.9478,  
102.5879

47.3938, 25.5857,  
62.5251

87.4921, 96.1707,  
105.5229

45.9671, 23.4285,  
59.9033

88.0601, 96.3979,  
108.5136

45.0215, 22.2178,  
57.4901

88.0714, 96.4024,  
108.5734

44.6155, 21.8041,  
56.1275

# Harmonies

## Analogous

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



66.4905, 65.6164, 93.6654



69.6644, 65.6164, 83.8564



70.8666, 65.6164, 71.5578

# Triad

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



69.6644, 65.6164, 83.8564



62.4057, 65.6164, 50.5746



55.5604, 65.6164, 83.6396

# Complementary

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



69.6644, 65.6164, 83.8564



65.3305, 76.4801, 70.3539

# 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.



54.5747, 65.6164, 71.3326



69.6644, 65.6164, 83.8564



58.4165, 65.6164, 53.0502

# Square

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



69.6644, 65.6164, 83.8564



66.5616, 65.6164, 53.1426



55.5968, 65.6164, 60.3232



58.3514, 65.6164, 93.5306



# Rectangle

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



69.6644, 65.6164, 83.8564



70.3479, 65.6164, 63.8621



55.5968, 65.6164, 60.3232



55.0127, 65.6164, 79.6058

# Sweetspot

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



69.6663, 65.6193, 83.8578



91.6340, 93.5647, 106.5386



61.8369, 61.5007, 87.2100



19.4801, 19.7758, 22.7102



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.



69.6663, 65.6193, 83.8578



81.7063, 74.9762, 99.3232



67.4639, 64.7383, 72.2601



15.6110, 15.2723, 18.5028



24.8684, 12.1501, 31.4380



1.9794, 0.9647, 2.6087



# Inverse Universe

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



69.6663, 65.6193, 83.8578



81.7063, 74.9762, 99.3232



67.4478, 77.3270, 81.5033



15.6110, 15.2723, 18.5028



24.8684, 12.1501, 31.4380

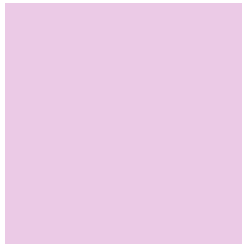


1.9794, 0.9647, 2.6087



# Previews

## White Background



This preview shows how the XYZ color 69.6644, 65.6164, 83.8564 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

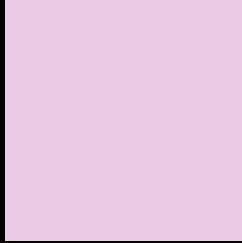
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.6644, 65.6164, 83.8564 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

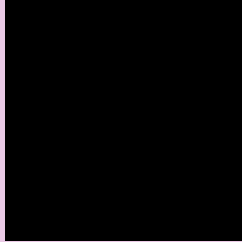
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 69.6644, 65.6164, 83.8564

## Background



This preview shows how black text looks on a background with the XYZ color 69.6644, 65.6164, 83.8564.



This preview shows how white text looks on a background with the XYZ color 69.6644, 65.6164,



# 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

69.6644, 65.6164, 83.8564

### Protanopia

64.3365, 65.6467, 87.8774

### Deuteranopia

67.2655, 65.8073, 83.2855



## Tritanopia

68.4428, 65.8455, 76.8123

# Trichromacy



## Original Color

69.6644, 65.6164, 83.8564

## Protanomaly

65.9342, 65.4143, 86.2419

## Deuteranomaly

68.2873, 65.9778, 83.2646

## Tritanomaly

68.7422, 65.5861, 79.5573

# Monochromacy



## Original Color

69.6644, 65.6164, 83.8564

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

66.0891, 66.7901, 77.1187

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.6644, 65.6164, 83.8564 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(235, 202, 230)` looks like.

```
.text, #text, p{  
    color:rgb(235, 202, 230)  
}
```

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(235, 202, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 202, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 69.6644, 65.6164, 83.8564 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(235, 202, 230) }
```



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

```
.border{ border-color:rgb(235, 202, 230) }
```

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

Here you see how a box with a 4 pixel rgb(235, 202, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 202, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 202, 230);  
box-shadow:4px 4px 4px 4px rgb(235, 202,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.6644, 65.6164, 83.8564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 202, 230) }
```

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

```
.background{ background-color: rgb(235,  
202, 230) }
```

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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