

# Converting Colors

XYZ(69.5218, 63.6925, 89.8245)

Have a look what the booklet for XYZ(69.5218, 63.6925, 89.8245) contains.

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# Color

**XYZ(69.3306, 63.5980,  
89.5104)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EAC5EE
RGB	234, 197, 238
RGB Percent	92%, 77%, 93%
CMY	0.0823, 0.2274, 0.0667
CMYK	0.02, 0.17, 0.00, 0.07
HSL	294°, 55%, 85%
HSV	294°, 17%, 93%
XYZ	69.3306, 63.5980, 89.5104
YIQ	212.7370, 8.8910, 20.5950

# Conversions

## Conversions Part 2

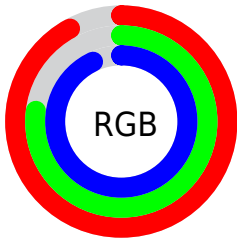
Format	Color
R <sub>Y</sub> B	234, 197, 238
Decimal	15386094
CIE Lab	83.76, 20.11, -15.36
CIE LCh	84, 25.304, 322.617
Yxy	63.5980, 0.3117, 0.2859
Android (android.graphics.Color)	4293576174 (0xFFEAC5EE)
YUV	212.7370, 12.4547, 18.6477
Hunter-Lab	79.7484, 15.6224, -10.7239

# Details

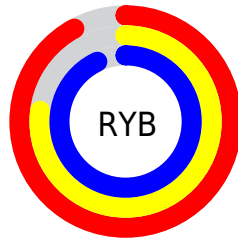
The XYZ color **69.3306, 63.5980, 89.5104** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **64.7422, 77.5994, 64.3924**, and the grayscale version is **62.9871, 66.2674, 72.1652**.

A 20% lighter version of the original color is **94.7318, 99.3636, 108.7939**, and **36.6261, 32.4873, 48.5962** is the 20% darker color. If you saturate the color by 10%, you get **63.5906, 53.2413, 87.8148**, and if you desaturate by 10%, it is **75.9375, 75.6716, 91.4936**.

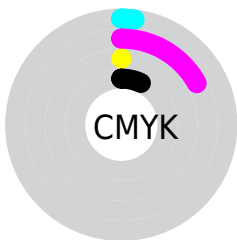
# Distribution



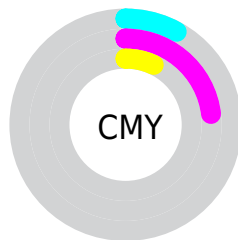
- Red (92%)
- Green (77%)
- Blue (93%)



- Red (92%)
- Yellow (77%)
- Blue (93%)



- Cyan (2%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)



- Cyan (8%)
- Magenta (23%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3306, 63.5980, 89.5104 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 69.3306, 63.5980, 89.5104 by changing the saturation by 10% instead.



69.3306, 63.5980,  
89.5104

69.3306, 63.5980,  
89.5104

447.4993,  
437.7365, 546.9659

51.2586, 46.3252,  
67.0032

117.2851,  
110.0318, 148.5877

36.6363, 32.5025,  
48.6256

147.8984,  
139.9615, 185.9949

25.0984, 21.7456,  
33.9591

183.4228,  
174.8790, 229.2059

16.2795, 13.6701,  
22.5851

224.2237,  
215.1686, 278.6391

9.8143, 7.8916,  
14.0850

270.6664,  
261.2148, 334.7132

5.3373, 4.0256,  
8.0404

323.1164,

2.4833, 1.6879,

313.4019, 397.8467

4.0327

381.9389,  
372.1143, 468.4580

■ 0.8868, 0.4158,  
1.6433

■ 0.0000, 0.0000,  
0.3214

■ 69.3306, 63.5980,  
89.5104

■ 69.3306, 63.5980,  
89.5104

■ 63.5906, 53.2413,  
87.8148

■ 75.9375, 75.6716,  
91.4936

■ 58.6719, 44.5134,  
86.3894

■ 83.4430, 89.5286,  
93.7726

■ 54.5332, 37.3308,  
85.2212

■ 87.4573, 96.3881,  
94.8851

■ 51.1274, 31.5992,  
84.2944

■ 88.2548, 96.7993,  
94.9224

■ 48.4021, 27.2142,  
83.5916

■ 89.0625, 97.2157,  
94.9602

■ 46.2981, 24.0572,  
83.0931

■ 89.8804, 97.6373,  
94.9985

■ 44.7458, 21.9890,  
82.7758

■ 90.7084, 98.0642,  
95.0373

■ 43.6544, 20.8283,  
82.6092

■ 91.5468, 98.4964,  
95.0765

■ 43.3934, 20.5873,  
82.5765

■ 92.3954, 98.9338,  
95.1162

# Harmonies

## Analogous

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



64.6457, 63.5980, 101.4654



69.3306, 63.5980, 89.5104



71.6611, 63.5980, 73.2493

# Triad

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



69.3306, 63.5980, 89.5104



61.8297, 63.5980, 43.1445



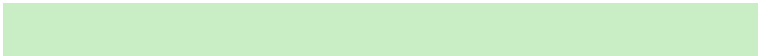
51.1223, 63.5980, 81.6790

# Complementary

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



69.3306, 63.5980, 89.5104



64.7422, 77.5994, 64.3924

# 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.



50.4702, 63.5980, 65.3940



69.3306, 63.5980, 89.5104



56.4360, 63.5980, 44.6925

# Square

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



69.3306, 63.5980, 89.5104



67.1615, 63.5980, 47.6901



52.3584, 63.5980, 52.2994



54.1975, 63.5980, 96.4829



# Rectangle

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



69.3306, 63.5980, 89.5104



71.4717, 63.5980, 62.7833



52.3584, 63.5980, 52.2994



50.6204, 63.5980, 76.1406

# Sweetspot

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



69.3325, 63.6007, 89.5118



90.6605, 91.8980, 107.5675



59.3712, 59.8663, 89.3160



19.2776, 19.4354, 22.9853



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.



69.3325, 63.6007, 89.5118



78.3858, 69.4860, 103.8885



68.3594, 63.3649, 77.4562



16.2934, 15.9485, 19.9412



24.2706, 11.5173, 46.0717



2.0628, 0.9807, 3.8348



# Inverse Universe

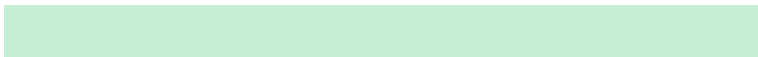
The Inverse Universe completely reimagines the original color for something new.



65.7709, 62.3295, 63.8255



73.4544, 67.7325, 68.0250



65.6638, 77.8454, 74.7846



15.8354, 15.7839, 16.6896



19.7799, 10.1844, 1.4917



1.6665, 0.8556, 0.2345



# Previews

## White Background



This preview shows how the XYZ color 69.3306, 63.5980, 89.5104 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 69.3306, 63.5980, 89.5104 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 69.3306, 63.5980, 89.5104

## Background



This preview shows how black text looks on a background with the XYZ color 69.3306, 63.5980, 89.5104.



This preview shows how white text looks on a background with the XYZ color 69.3306, 63.5980,



# 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

69.3306, 63.5980, 89.5104

### Protanopia

63.1514, 63.7748, 95.3675

### Deuteranopia

65.1978, 63.8991, 89.0182



## Tritanopia

66.2363, 63.7201, 73.7739

# Trichromacy



## Original Color

69.3306, 63.5980, 89.5104

## Protanomaly

65.1145, 63.4188, 92.8136

## Deuteranomaly

66.6041, 63.5757, 88.8817

## Tritanomaly

67.3875, 63.8462, 79.2928

# Monochromacy



## Original Color

69.3306, 63.5980, 89.5104

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

65.3164, 65.2717, 78.2634

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.3306, 63.5980, 89.5104 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(234, 197, 238)` looks like.

```
.text, #text, p{  
    color:rgb(234, 197, 238)  
}
```

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(234, 197, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 197, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 69.3306, 63.5980, 89.5104 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(234, 197, 238) }
```



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

```
.border{ border-color:rgb(234, 197, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 197, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 197, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 197, 238);  
box-shadow:4px 4px 4px 4px rgb(234, 197,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.3306, 63.5980, 89.5104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 197, 238) }
```

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

```
.background{ background-color: rgb(234,  
197, 238) }
```

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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