

# Converting Colors

XYZ(68.8990, 66.8513, 83.7680)

Have a look what the booklet for  
XYZ(68.8990, 66.8513, 83.7680)  
contains.

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# Color

**XYZ(69.2289, 67.1618,  
84.1777)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6CFE6
RGB	230, 207, 230
RGB Percent	90%, 81%, 90%
CMY	0.0980, 0.1882, 0.0980
CMYK	0.00, 0.10, 0.00, 0.10
HSL	300°, 32%, 86%
HSV	300°, 10%, 90%
XYZ	69.2289, 67.1618, 84.1777
YIQ	216.4990, 6.3250, 12.0290

# Conversions

## Conversions Part 2

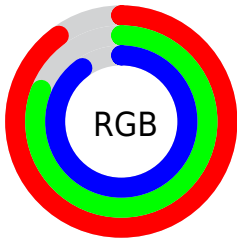
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 207, 230
Decimal	15126502
CIE Lab	85.59, 12.00, -8.41
CIE LCh	86, 14.655, 324.972
Yxy	67.1618, 0.3139, 0.3045
Android (android.graphics.Color)	4293316582 (0xFFE6CFE6)
YUV	216.4990, 6.6560, 11.8404
Hunter-Lab	81.9523, 7.3707, -3.5334

# Details

The XYZ color **69.2289, 67.1618, 84.1777** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.2940, 74.3659, 69.9477**, and the grayscale version is **65.5652, 68.9797, 75.1189**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.5847, 34.8763, 45.3610** is the 20% darker color. If you saturate the color by 10%, you get **64.0583, 56.8196, 82.4548**, and if you desaturate by 10%, it is **75.2151, 79.1332, 86.1741**.

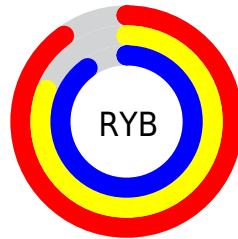
# Distribution



Red (90%)

Green (81%)

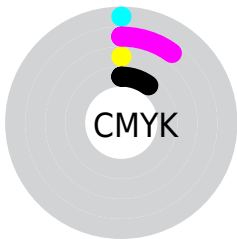
Blue (90%)



Red (90%)

Yellow (81%)

Blue (90%)

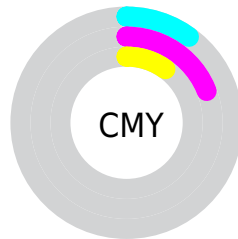


Cyan (0%)

Magenta (10%)

Yellow (0%)

Black (10%)



Cyan (10%)

Magenta (19%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.2289, 67.1618, 84.1777 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 69.2289, 67.1618, 84.1777 by changing the saturation by 10% instead.



69.2289, 67.1618,  
84.1777

69.2289, 67.1618,  
84.1777

447.1466,  
450.5205, 528.9766

51.1755, 49.2161,  
62.6159

117.1407,  
115.1522, 141.0877

36.5699, 34.7910,  
45.0916

147.7298,  
145.9658, 177.2729

25.0468, 23.5019,  
31.1861

183.2282,  
181.8374, 219.1698

16.2408, 14.9645,  
20.4809

224.0012,  
223.1515, 267.1967

9.7867, 8.7945,  
12.5576

270.4142,  
270.2924, 321.7724

5.3189, 4.6074,  
6.9975

322.8325,

2.4722, 2.0188,

323.6447, 383.3152

3.3821

381.6216,  
383.5925, 452.2438

■ 0.8813, 0.6184,  
1.2929

■ 0.0000, 0.0000,  
0.0560

■ 69.2289, 67.1618,  
84.1777

■ 69.2289, 67.1618,  
84.1777

■ 64.0583, 56.8196,  
82.4548

■ 75.2151, 79.1332,  
86.1741

■ 59.6624, 48.0279,  
80.9894

■ 82.0439, 92.7906,  
88.4505

■ 56.0058, 40.7148,  
79.7703

■ 82.6769, 94.0566,  
88.6616

■ 53.0479, 34.7990,  
78.7842

■ 82.6769, 94.0566,  
88.6618

50.7441, 30.1915,  
78.0161

82.6769, 94.0566,  
88.6620

49.0450, 26.7932,  
77.4495

82.6770, 94.0566,  
88.6622

47.8937, 24.4907,  
77.0656

82.6770, 94.0566,  
88.6623

47.2230, 23.1494,  
76.8419

82.6770, 94.0566,  
88.6625

46.9165, 22.5365,  
76.7396

82.6771, 94.0566,  
88.6627

# Harmonies

## Analogous

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



66.5796, 67.1618, 91.0617



69.2289, 67.1618, 84.1777



70.4352, 67.1618, 74.7483

# Triad

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



69.2289, 67.1618, 84.1777



64.3986, 67.1618, 56.3242



58.1996, 67.1618, 81.1543

# Complementary

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



69.2289, 67.1618, 84.1777



65.2940, 74.3659, 69.9477

# 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.



57.6611, 67.1618, 71.5309



69.2289, 67.1618, 84.1777



61.1674, 67.1618, 57.7181

# Square

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



69.2289, 67.1618, 84.1777



67.5852, 67.1618, 59.1029



58.7293, 67.1618, 63.0898



60.2267, 67.1618, 89.2124



# Rectangle

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



69.2289, 67.1618, 84.1777



70.2294, 67.1618, 68.4873



58.7293, 67.1618, 63.0898



57.8415, 67.1618, 77.9733

# Sweetspot

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



69.2309, 67.1647, 84.1792



92.6579, 95.2158, 108.1026



62.3308, 63.6076, 83.8564



19.6992, 20.1134, 23.0939



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.



69.2309, 67.1647, 84.1792



86.0532, 82.0066, 105.9008



67.6686, 66.5398, 75.9525



14.9952, 14.6153, 18.1750



26.5611, 12.7586, 43.4450



1.9628, 0.9428, 3.2104



# Inverse Universe

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



69.2309, 67.1647, 84.1792



86.0532, 82.0066, 105.9008



66.7517, 74.9490, 77.6240



14.9952, 14.6153, 18.1750



26.5611, 12.7586, 43.4450

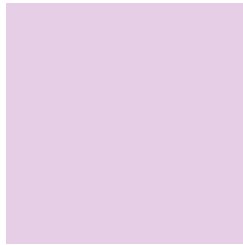


1.9628, 0.9428, 3.2104



# Previews

## White Background



This preview shows how the XYZ color 69.2289, 67.1618, 84.1777 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

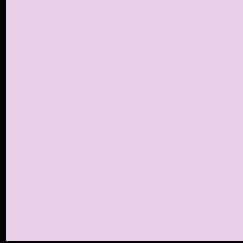
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.2289, 67.1618, 84.1777 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 69.2289, 67.1618, 84.1777**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.2289, 67.1618, 84.1777.



This preview shows how white text looks on a background with the XYZ color 69.2289, 67.1618,



# 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

69.2289, 67.1618, 84.1777

### Protanopia

65.6536, 67.4687, 86.6532

### Deuteranopia

68.8337, 67.3189, 84.2288



## Tritanopia

68.3235, 67.1516, 79.8815

# Trichromacy



## Original Color

69.2289, 67.1618, 84.1777

## Protanomaly

67.0732, 67.4748, 85.8327

## Deuteranomaly

69.1519, 67.4829, 84.2437

## Tritanomaly

68.5964, 67.2608, 81.3187

# Monochromacy



## Original Color

69.2289, 67.1618, 84.1777

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

67.1033, 68.3920, 78.7715

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.2289, 67.1618, 84.1777 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(230, 207, 230)` looks like.

```
.text, #text, p{  
    color:rgb(230, 207, 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(230, 207, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 207, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 69.2289, 67.1618, 84.1777 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(230, 207, 230) }
```



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

```
.border{ border-color:rgb(230, 207, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 207, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 207, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 207, 230);  
box-shadow:4px 4px 4px 4px rgb(230, 207,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.2289, 67.1618, 84.1777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 207, 230) }
```

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

```
.background{ background-color: rgb(230,  
207, 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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