

# Converting Colors

XYZ(68.9711, 66.5932, 73.4814)

Have a look what the booklet for  
XYZ(68.9711, 66.5932, 73.4814)  
contains.

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# Color

**XYZ(69.0221, 66.5735,  
73.5021)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDCDD7
RGB	237, 205, 215
RGB Percent	93%, 80%, 84%
CMY	0.0706, 0.1961, 0.1569
CMYK	0.00, 0.14, 0.09, 0.07
HSL	341°, 47%, 87%
HSV	341°, 14%, 93%
XYZ	69.0221, 66.5735, 73.5021
YIQ	215.7080, 15.8620, 9.8940

# Conversions

## Conversions Part 2

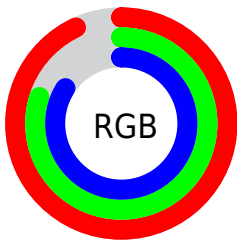
Format	Color
R <sub>Y</sub> B	237, 205, 215
Decimal	15584727
CIE Lab	85.29, 12.83, -0.81
CIE LCh	85, 12.860, 356.383
Yxy	66.5735, 0.3301, 0.3184
Android (android.graphics.Color)	4293774807 (0xFFEDCDD7)
YUV	215.7080, -0.3490, 18.6731
Hunter-Lab	81.5926, 8.2125, 3.7038

# Details

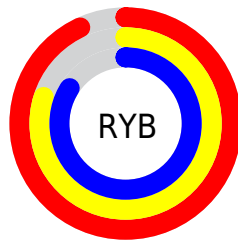
The XYZ color **69.0221, 66.5735, 73.5021** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **69.3287, 79.0952, 84.2897**, and the grayscale version is **65.0679, 68.4565, 74.5492**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.4678, 34.4950, 37.9939** is the 20% darker color. If you saturate the color by 10%, you get **61.7861, 55.2867, 61.2687**, and if you desaturate by 10%, it is **77.3292, 79.6670, 87.1232**.

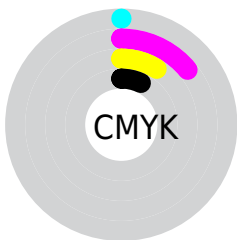
# Distribution



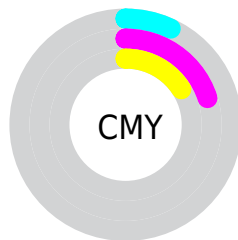
- Red (93%)
- Green (80%)
- Blue (84%)



- Red (93%)
- Yellow (80%)
- Blue (84%)



- Cyan (0%)
- Magenta (14%)
- Yellow (9%)
- Black (7%)



- Cyan (7%)
- Magenta (20%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0221, 66.5735, 73.5021 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 69.0221, 66.5735, 73.5021 by changing the saturation by 10% instead.



69.0221, 66.5735,  
73.5021

69.0221, 66.5735,  
73.5021

446.4291,  
448.4251, 491.8705

51.0064, 48.7381,  
53.8923

116.8470,  
114.3091, 125.9173

36.4348, 34.4118,  
38.1230

147.3870,  
144.9780, 159.5597

24.9418, 23.2101,  
25.7756

182.8324,  
180.6936, 198.7168

16.1622, 14.7487,  
16.4316

223.5487,  
221.8403, 243.8070

9.7306, 8.6432,  
9.6724

269.9011,  
268.8024, 295.2490

5.2816, 4.5092,  
5.0795

322.2551,

2.4499, 1.9623,

321.9643, 353.4612

2.2345

380.9760,  
381.7104, 418.8622

■ 0.8700, 0.5854,  
0.6941

■ 0.0000, 0.0000,  
0.0000

■ 69.0221, 66.5735,  
73.5021

■ 69.0221, 66.5735,  
73.5021

■ 61.7861, 55.2867,  
61.2687

■ 77.3292, 79.6670,  
87.1232

■ 55.5710, 45.7184,  
50.3739

■ 86.7436, 94.6328,  
102.1705

■ 50.3308, 37.7861,  
40.7718

■ 88.7354, 96.7447,  
108.6045

■ 46.0138, 31.3971,  
32.4123

■ 42.5634, 26.4492,  
25.2417

■ 39.9163, 22.8278,  
19.2018

■ 37.9999, 20.4009,  
14.2289

■ 36.7272, 19.0080,  
10.2515

■ 36.1628, 18.4997,  
8.1508

# Harmonies

## Analogous

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



68.0476, 66.5735, 81.7192



69.0221, 66.5735, 73.5021



68.4185, 66.5735, 65.6015

# Triad

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



69.0221, 66.5735, 73.5021



60.8238, 66.5735, 59.0672



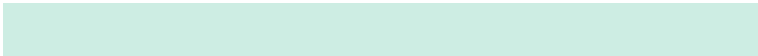
60.2307, 66.5735, 86.6571

# Complementary

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



69.0221, 66.5735, 73.5021



69.3287, 79.0952, 84.2897

# 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.



58.3981, 66.5735, 79.8386



69.0221, 66.5735, 73.5021



58.7330, 66.5735, 63.9781

# Square

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



69.0221, 66.5735, 73.5021



63.6295, 66.5735, 57.6513



57.8582, 66.5735, 71.4817



62.9240, 66.5735, 89.6722



# Rectangle

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



69.0221, 66.5735, 73.5021



67.2122, 66.5735, 61.5010



57.8582, 66.5735, 71.4817



59.4968, 66.5735, 84.7096

# Sweetspot

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



69.0240, 66.5764, 73.5035



90.7731, 93.2203, 102.0051



68.7562, 66.0895, 89.2542



19.2621, 19.6886, 21.5623



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.



69.0240, 66.5764, 73.5035



79.1949, 74.9975, 82.9362



69.2079, 68.9375, 67.4199



15.2593, 15.1316, 16.6507



19.7954, 10.1209, 4.7241



1.5964, 0.8115, 0.5918



# Inverse Universe

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



69.0240, 66.5764, 73.5035



79.1949, 74.9975, 82.9362



69.0784, 76.3219, 91.2123



15.2593, 15.1316, 16.6507



19.7954, 10.1209, 4.7241

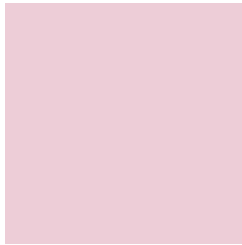


1.5964, 0.8115, 0.5918



# Previews

## White Background



This preview shows how the XYZ color 69.0221, 66.5735, 73.5021 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

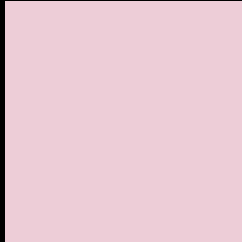
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.0221, 66.5735, 73.5021 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

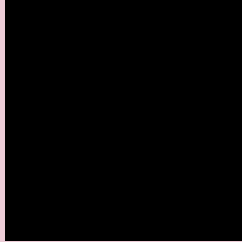
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 69.0221, 66.5735, 73.5021

## Background



This preview shows how black text looks on a background with the XYZ color 69.0221, 66.5735, 73.5021.



This preview shows how white text looks on a background with the XYZ color 69.0221, 66.5735,



# 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

69.0221, 66.5735, 73.5021

### Protanopia

64.3540, 66.6485, 76.4905

### Deuteranopia

68.1828, 66.8556, 73.6008



## Tritanopia

69.7710, 66.5302, 76.8744

# Trichromacy



## Original Color

69.0221, 66.5735, 73.5021

## Protanomaly

65.8868, 66.3509, 75.6641

## Deuteranomaly

68.2687, 66.5413, 73.5356

## Tritanomaly

69.5076, 66.4248, 75.4875

# Monochromacy



## Original Color

69.0221, 66.5735, 73.5021

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

66.6786, 67.8921, 74.5559

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.0221, 66.5735, 73.5021 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(237, 205, 215)` looks like.

```
.text, #text, p{  
    color:rgb(237, 205, 215)  
}
```

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(237, 205, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 205, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 69.0221, 66.5735, 73.5021 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".

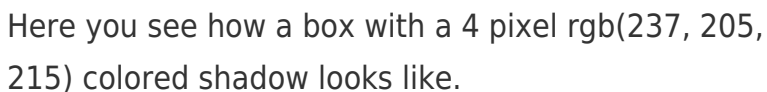
```
.border, #border, table{ border:4px solid rgb(237, 205, 215) }
```



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

```
.border{ border-color:rgb(237, 205, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(237, 205, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 205, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 205, 215);  
box-shadow:4px 4px 4px 4px rgb(237, 205,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.0221, 66.5735, 73.5021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 205, 215) }
```

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

```
.background{ background-color: rgb(237,  
205, 215) }
```

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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