

# Converting Colors

XYZ(67.7982, 63.2907, 75.3027)

Have a look what the booklet for  
XYZ(67.7982, 63.2907, 75.3027)  
contains.

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# Color

**XYZ(67.7740, 63.4546,  
75.0056)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDC6DA
RGB	237, 198, 218
RGB Percent	93%, 78%, 85%
CMY	0.0706, 0.2235, 0.1451
CMYK	0.00, 0.16, 0.08, 0.07
HSL	329°, 52%, 85%
HSV	329°, 16%, 93%
XYZ	67.7740, 63.4546, 75.0056
YIQ	211.9410, 16.8240, 14.4880

# Conversions

## Conversions Part 2

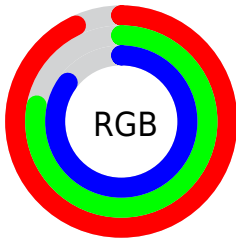
Format	Color
R <sub>Y</sub> B	237, 198, 218
Decimal	15582938
CIE Lab	83.68, 17.04, -4.77
CIE LCh	84, 17.691, 344.357
Yxy	63.4546, 0.3286, 0.3077
Android (android.graphics.Color)	4293773018 (0xFFEDC6DA)
YUV	211.9410, 2.9871, 21.9767
Hunter-Lab	79.6584, 12.4670, -0.0660

# Details

The XYZ color **67.7740, 63.4546, 75.0056** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **66.0997, 77.5855, 77.1409**, and the grayscale version is **62.5146, 65.7702, 71.6237**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.6402, 32.4146, 39.0285** is the 20% darker color. If you saturate the color by 10%, you get **61.3164, 52.8733, 65.6560**, and if you desaturate by 10%, it is **75.1882, 75.7788, 85.1950**.

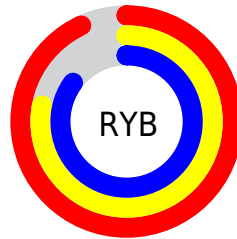
# Distribution



Red (93%)

Green (78%)

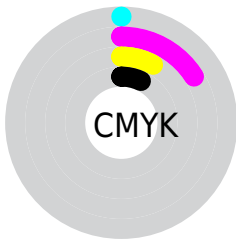
Blue (85%)



Red (93%)

Yellow (78%)

Blue (85%)

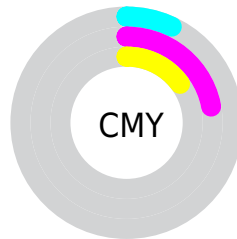


Cyan (0%)

Magenta (16%)

Yellow (8%)

Black (7%)



Cyan (7%)

Magenta (22%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7740, 63.4546, 75.0056 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 67.7740, 63.4546, 75.0056 by changing the saturation by 10% instead.



67.7740, 63.4546,  
75.0056

67.7740, 63.4546,  
75.0056

442.0842,  
437.2174, 497.1927

49.9869, 46.2091,  
55.1157

115.0725,  
109.8251, 128.0675

35.6207, 32.4108,  
39.0952

145.3145,  
139.7189, 162.0765

24.3102, 21.6755,  
26.5254

180.4390,  
174.5975, 201.6291

15.6899, 13.6187,  
16.9878

220.8111,  
214.8454, 247.1436

9.3944, 7.8559,  
10.0639

266.7964,  
260.8469, 299.0387

5.0585, 4.0029,  
5.3352

318.7601,

2.3167, 1.6752,

312.9865, 357.7329

2.3831

377.0675,  
371.6486, 423.6447

■ 0.8032, 0.4075,  
0.7772

■ 0.0000, 0.0000,  
0.0000

■ 67.7740, 63.4546,  
75.0056

■ 67.7740, 63.4546,  
75.0056

■ 61.3164, 52.8733,  
65.6560

■ 75.1882, 75.7788,  
85.1950

■ 55.7684, 43.9470,  
57.1178

■ 83.5922, 89.9119,  
96.2433

■ 51.0873, 36.5928,  
49.3667

■ 88.3583, 96.5939,  
106.6184

■ 47.2244, 30.7174,  
42.3752

■ 88.7354, 96.7447,  
108.6045

■ 44.1263, 26.2171,  
36.1140

■ 41.7324, 22.9751,  
30.5507

■ 39.9723, 20.8544,  
25.6495

■ 38.7582, 19.6838,  
21.3678

■ 38.4091, 19.3982,  
19.9792

# Harmonies

## Analogous

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



65.6716, 63.4546, 85.4970



67.7740, 63.4546, 75.0056



67.8208, 63.4546, 63.9345

# Triad

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



67.7740, 63.4546, 75.0056



58.4831, 63.4546, 50.4140



55.1402, 63.4546, 85.1074

# Complementary

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



67.7740, 63.4546, 75.0056



66.0997, 77.5855, 77.1409

# 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.



53.3784, 63.4546, 74.5181



67.7740, 63.4546, 75.0056



55.2517, 63.4546, 54.9311

# Square

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



67.7740, 63.4546, 75.0056



62.3429, 63.4546, 50.5145



53.4183, 63.4546, 63.4963



58.3251, 63.4546, 91.7413



# Rectangle

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



67.7740, 63.4546, 75.0056



66.6734, 63.4546, 57.7361



53.4183, 63.4546, 63.4963



54.3681, 63.4546, 81.8455

# Sweetspot

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



67.7758, 63.4574, 75.0069



90.1324, 91.7395, 102.4062



64.0533, 61.2344, 88.5651



19.1492, 19.3969, 21.7282



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.



67.7758, 63.4574, 75.0069



77.1371, 70.1674, 84.4526



65.3896, 62.5029, 62.4412



15.3879, 15.1830, 17.3279



21.0364, 10.6172, 11.2588



1.7005, 0.8531, 1.1400



# Inverse Universe

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



67.7758, 63.4574, 75.0069



77.1371, 70.1674, 84.4526



68.7661, 78.6521, 91.1817



15.3879, 15.1830, 17.3279



21.0364, 10.6172, 11.2588

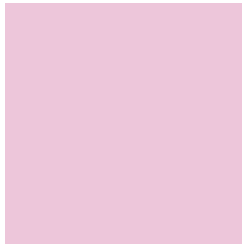


1.7005, 0.8531, 1.1400



# Previews

## White Background



This preview shows how the XYZ color 67.7740, 63.4546, 75.0056 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

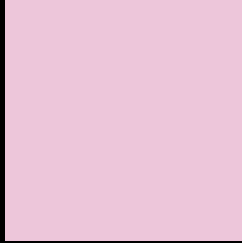
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.7740, 63.4546, 75.0056 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 67.7740, 63.4546, 75.0056**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.7740, 63.4546, 75.0056.



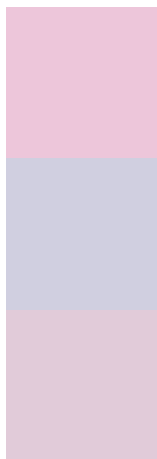
This preview shows how white text looks on a background with the XYZ color 67.7740, 63.4546,

75.0056.

# 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

67.7740, 63.4546, 75.0056

### Protanopia

61.7798, 63.4174, 79.5056

### Deuteranopia

64.9317, 63.7292, 74.5243



## Tritanopia

67.1531, 63.5348, 72.3424

# Trichromacy



## Original Color

67.7740, 63.4546, 75.0056

## Protanomaly

63.9911, 63.5197, 77.9951

## Deuteranomaly

65.7241, 63.4411, 74.4270

## Tritanomaly

67.2812, 63.5860, 73.0172

# Monochromacy



## Original Color

67.7740, 63.4546, 75.0056

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

64.2692, 64.8528, 72.7488

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.7740, 63.4546, 75.0056 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, 198, 218)` looks like.

```
.text, #text, p{  
    color:rgb(237, 198, 218)  
}
```

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, 198, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 198, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 67.7740, 63.4546, 75.0056 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, 198, 218) }
```



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

```
.border{ border-color:rgb(237, 198, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 198, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 198, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 198, 218);  
box-shadow:4px 4px 4px 4px rgb(237, 198,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.7740, 63.4546, 75.0056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 198, 218) }
```

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

```
.background{ background-color: rgb(237,  
198, 218) }
```

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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