

# Converting Colors

XYZ(70.5817, 69.0049, 85.3678)

Have a look what the booklet for  
XYZ(70.5817, 69.0049, 85.3678)  
contains.

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# Color

**XYZ(70.4254, 68.8516,  
85.1792)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7D2E7
RGB	231, 210, 231
RGB Percent	91%, 82%, 91%
CMY	0.0941, 0.1764, 0.0941
CMYK	0.00, 0.09, 0.00, 0.09
HSL	300°, 30%, 86%
HSV	300°, 9%, 91%
XYZ	70.4254, 68.8516, 85.1792
YIQ	218.6730, 5.7750, 10.9830

# Conversions

## Conversions Part 2

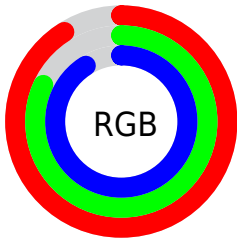
Format	Color
R <sub>Y</sub> B	231, 210, 231
Decimal	15192807
CIE Lab	86.43, 10.94, -7.68
CIE LCh	86, 13.363, 324.920
Yxy	68.8516, 0.3138, 0.3067
Android (android.graphics.Color)	4293382887 (0xFFE7D2E7)
YUV	218.6730, 6.0772, 10.8108
Hunter-Lab	82.9769, 6.2898, -2.7798

# Details

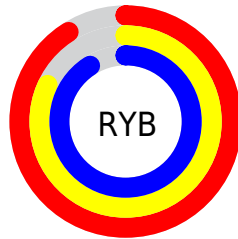
The XYZ color **70.4254, 68.8516, 85.1792** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.7897, 75.5085, 72.0307**, and the grayscale version is **67.0636, 70.5561, 76.8356**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3055, 35.9860, 45.5372** is the 20% darker color. If you saturate the color by 10%, you get **65.1297, 58.2592, 83.4146**, and if you desaturate by 10%, it is **76.5483, 81.0963, 87.2211**.

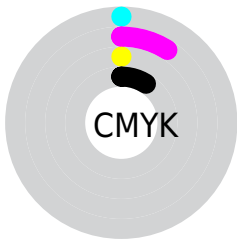
# Distribution



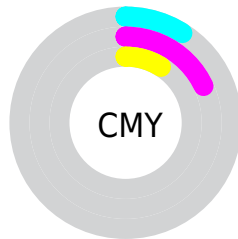
- Red (91%)
- Green (82%)
- Blue (91%)



- Red (91%)
- Yellow (82%)
- Blue (91%)



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



- Cyan (9%)
- Magenta (18%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4254, 68.8516, 85.1792 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 70.4254, 68.8516, 85.1792 by changing the saturation by 10% instead.



70.4254, 68.8516,  
85.1792

70.4254, 68.8516,  
85.1792

451.2854,  
456.5074, 532.3809

52.1543, 50.5909,  
63.4385

118.8382,  
117.5696, 142.4999

37.3528, 35.8831,  
45.7527

149.7105,  
148.7956, 178.9169

25.6557, 24.3439,  
31.7035

185.5140,  
185.1122, 221.0632

16.6976, 15.5889,  
20.8722

226.6139,  
226.9038, 269.3571

10.1131, 9.2338,  
12.8403

273.3756,  
274.5547, 324.2173

5.5368, 4.8940,  
7.1892

326.1646,

2.6035, 2.1852,

328.4493, 386.0623

3.5005

385.3460,  
388.9721, 455.3107

■ 0.9477, 0.7119,  
1.3555

■ 0.0000, 0.0000,  
0.1067

■ 70.4254, 68.8516,  
85.1792

■ 70.4254, 68.8516,  
85.1792

■ 65.1297, 58.2592,  
83.4146

■ 76.5483, 81.0963,  
87.2211

■ 60.6200, 49.2399,  
81.9113

■ 83.1396, 94.2788,  
89.4184

■ 56.8608, 41.7216,  
80.6581

■ 83.1396, 94.2788,  
89.4185

■ 53.8114, 35.6227,  
79.6415

■ 83.1396, 94.2788,  
89.4186

51.4271, 30.8542,  
78.8466

83.1397, 94.2788,  
89.4188

49.6584, 27.3168,  
78.2569

83.1397, 94.2789,  
89.4189

48.4488, 24.8976,  
77.8535

83.1397, 94.2789,  
89.4191

47.7313, 23.4627,  
77.6142

83.1397, 94.2789,  
89.4192

47.4021, 22.8044,  
77.5044

83.1398, 94.2789,  
89.4194

# Harmonies

## Analogous

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



67.9771, 68.8516, 91.4837



70.4254, 68.8516, 85.1792



71.5402, 68.8516, 76.4845

# Triad

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



70.4254, 68.8516, 85.1792



65.9689, 68.8516, 59.2627



60.1992, 68.8516, 82.3690

# Complementary

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



70.4254, 68.8516, 85.1792



66.7897, 75.5085, 72.0307

# 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.



59.6994, 68.8516, 73.4710



70.4254, 68.8516, 85.1792



62.9695, 68.8516, 60.5696

# Square

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



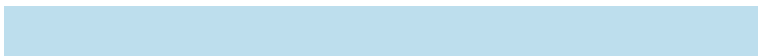
70.4254, 68.8516, 85.1792



68.9160, 68.8516, 61.8861



60.6982, 68.8516, 65.6068



62.0855, 68.8516, 89.7739



# Rectangle

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



70.4254, 68.8516, 85.1792



71.3525, 68.8516, 70.6710



60.6982, 68.8516, 65.6068



59.8661, 68.8516, 79.4351

# Sweetspot

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



70.4274, 68.8546, 85.1807



92.6579, 95.2158, 108.1026



64.0518, 65.5678, 84.8824



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.



70.4274, 68.8546, 85.1807



86.7454, 83.3908, 106.1316



68.9885, 68.2790, 77.6033



14.9952, 14.6153, 18.1750



26.5611, 12.7586, 43.4451



1.9628, 0.9428, 3.2104



# Inverse Universe

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



70.4274, 68.8546, 85.1807



86.7454, 83.3908, 106.1316



68.1413, 76.0492, 79.1478



14.9952, 14.6153, 18.1750



26.5611, 12.7586, 43.4451

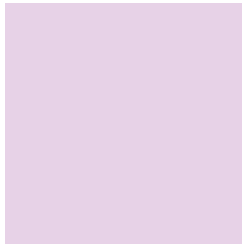


1.9628, 0.9428, 3.2104



# Previews

## White Background



This preview shows how the XYZ color 70.4254, 68.8516, 85.1792 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 70.4254, 68.8516, 85.1792 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

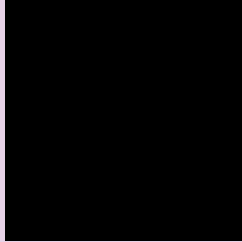
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.4254, 68.8516, 85.1792**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.4254, 68.8516, 85.1792.



This preview shows how white text looks on a background with the XYZ color 70.4254, 68.8516,



# 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

70.4254, 68.8516, 85.1792

### Protanopia

67.1761, 68.9885, 87.6174

### Deuteranopia

70.4254, 68.8516, 85.1792



## Tritanopia

69.7925, 68.9576, 82.3047

# Trichromacy



## Original Color

70.4254, 68.8516, 85.1792

## Protanomaly

68.3210, 68.8438, 86.7781

## Deuteranomaly

70.4254, 68.8516, 85.1792

## Tritanomaly

69.9310, 69.0130, 83.0339

# Monochromacy



## Original Color

70.4254, 68.8516, 85.1792

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

68.3066, 70.1274, 79.7478

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.4254, 68.8516, 85.1792 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(231, 210, 231)` looks like.

```
.text, #text, p{  
    color:rgb(231, 210, 231)  
}
```

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(231, 210, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 210, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 70.4254, 68.8516, 85.1792 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(231, 210, 231) }
```



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

```
.border{ border-color:rgb(231, 210, 231) }
```

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

Here you see how a box with a 4 pixel rgb(231, 210, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 210, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 210, 231);  
box-shadow:4px 4px 4px 4px rgb(231, 210,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.4254, 68.8516, 85.1792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 210, 231) }
```

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

```
.background{ background-color: rgb(231,  
210, 231) }
```

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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