

# Converting Colors

XYZ(70.6630, 68.6004, 85.7519)

Have a look what the booklet for  
XYZ(70.6630, 68.6004, 85.7519)  
contains.

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# Color

**XYZ(70.6447, 68.5829,  
85.8584)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8D1E8
RGB	232, 209, 232
RGB Percent	91%, 82%, 91%
CMY	0.0902, 0.1804, 0.0902
CMYK	0.00, 0.10, 0.00, 0.09
HSL	300°, 33%, 86%
HSV	300°, 10%, 91%
XYZ	70.6447, 68.5829, 85.8584
YIQ	218.4990, 6.3250, 12.0290

# Conversions

## Conversions Part 2

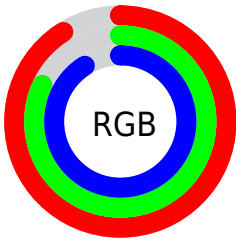
Format	Color
R <sub>Y</sub> B	232, 209, 232
Decimal	15258088
CIE Lab	86.30, 11.98, -8.40
CIE LCh	86, 14.630, 324.968
Yxy	68.5829, 0.3139, 0.3047
Android (android.graphics.Color)	4293448168 (0xFFE8D1E8)
YUV	218.4990, 6.6560, 11.8404
Hunter-Lab	82.8148, 7.3425, -3.4987

# Details

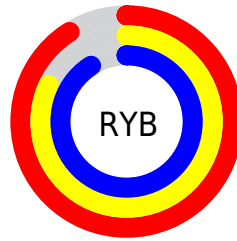
The XYZ color **70.6447, 68.5829, 85.8584** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.6624, 75.8740, 71.4569**, and the grayscale version is **66.9391, 70.4252, 76.6930**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4623, 35.8074, 46.0113** is the 20% darker color. If you saturate the color by 10%, you get **65.3628, 58.0181, 84.0983**, and if you desaturate by 10%, it is **76.7595, 80.8113, 87.8977**.

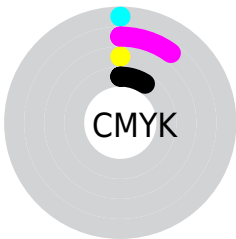
# Distribution



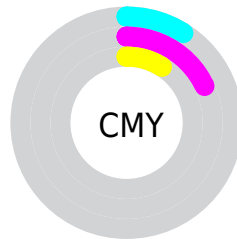
- Red (91%)
- Green (82%)
- Blue (91%)



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



- Cyan (0%)
- Magenta (10%)
- Yellow (0%)
- Black (9%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6447, 68.5829, 85.8584 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 70.6447, 68.5829, 85.8584 by changing the saturation by 10% instead.



70.6447, 68.5829,  
85.8584

70.6447, 68.5829,  
85.8584

452.0416,  
455.5585, 534.6827

52.3338, 50.3721,  
63.9967

119.1489,  
117.1856, 143.4567

37.4965, 35.7091,  
46.2018

150.0730,  
148.3464, 180.0303

25.7676, 24.2096,  
32.0553

185.9321,  
184.5925, 222.3449

16.7816, 15.4892,  
21.1386

227.0917,  
226.3085, 270.8192

10.1733, 9.1634,  
13.0331

273.9171,  
273.8787, 325.8715

5.5771, 4.8479,  
7.3203

326.7736,

2.6279, 2.1583,

327.6875, 387.9205

3.5818

386.0267,  
388.1193, 457.3847

■ 0.9602, 0.6971,  
1.3988

■ 0.0000, 0.0000,  
0.1408

■ 70.6447, 68.5829,  
85.8584

■ 70.6447, 68.5829,  
85.8584

■ 65.3628, 58.0181,  
84.0983

■ 76.7595, 80.8113,  
87.8977

■ 60.8720, 49.0366,  
82.6012

■ 83.6051, 94.5024,  
90.1798

■ 57.1361, 41.5650,  
81.3557

■ 83.6051, 94.5024,  
90.1800

■ 54.1138, 35.5203,  
80.3480

■ 83.6051, 94.5024,  
90.1803

51.7595, 30.8117,  
79.5630

83.6052, 94.5025,  
90.1805

50.0226, 27.3381,  
78.9838

83.6052, 94.5025,  
90.1808

48.8454, 24.9838,  
78.5912

83.6053, 94.5025,  
90.1810

48.1591, 23.6112,  
78.3622

83.6053, 94.5025,  
90.1813

47.8467, 22.9866,  
78.2578

83.6054, 94.5025,  
90.1815

# Harmonies

## Analogous

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



67.9634, 68.5829, 92.8199



70.6447, 68.5829, 85.8584



71.8656, 68.5829, 76.3170

# Triad

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



70.6447, 68.5829, 85.8584



65.7568, 68.5829, 57.6513



59.4789, 68.5829, 82.7969

# Complementary

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



70.6447, 68.5829, 85.8584



66.6624, 75.8740, 71.4569

# 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.



58.9337, 68.5829, 73.0569



70.6447, 68.5829, 85.8584



62.4853, 68.5829, 59.0639

# Square

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



70.6447, 68.5829, 85.8584



68.9821, 68.5829, 60.4690



60.0160, 68.5829, 64.5077



61.5318, 68.5829, 90.9482



# Rectangle

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



70.6447, 68.5829, 85.8584



71.6575, 68.5829, 69.9777



60.0160, 68.5829, 64.5077



59.1163, 68.5829, 79.5782

# Sweetspot

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



70.6467, 68.5859, 85.8599



92.6579, 95.2158, 108.1025



63.6635, 64.9859, 85.5333



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.



70.6467, 68.5859, 85.8599



86.0532, 82.0065, 105.9007



69.0661, 67.9536, 77.5365



14.9952, 14.6153, 18.1750



26.5610, 12.7586, 43.4446



1.9628, 0.9428, 3.2104



# Inverse Universe

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



70.6467, 68.5859, 85.8599



86.0532, 82.0065, 105.9007



68.1381, 76.4643, 79.2281



14.9952, 14.6153, 18.1750



26.5610, 12.7586, 43.4446

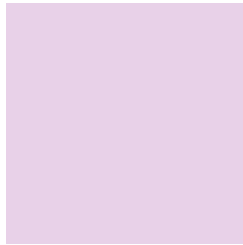


1.9628, 0.9428, 3.2104



# Previews

## White Background



This preview shows how the XYZ color 70.6447, 68.5829, 85.8584 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

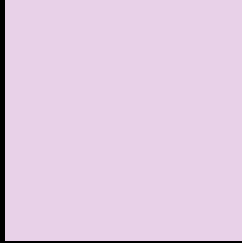
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.6447, 68.5829, 85.8584 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

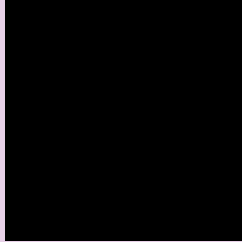
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 70.6447, 68.5829, 85.8584

## Background



This preview shows how black text looks on a background with the XYZ color 70.6447, 68.5829, 85.8584.



This preview shows how white text looks on a background with the XYZ color 70.6447, 68.5829,

85.8584.

# 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

70.6447, 68.5829, 85.8584

### Protanopia

67.0274, 68.8952, 88.3626

### Deuteranopia

70.2452, 68.7424, 85.9102



## Tritanopia

69.7291, 68.5731, 81.5123

# Trichromacy



## Original Color

70.6447, 68.5829, 85.8584

## Protanomaly

68.4643, 68.9012, 87.5327

## Deuteranomaly

70.5671, 68.9083, 85.9253

## Tritanomaly

70.0052, 68.6835, 82.9664

# Monochromacy



## Original Color

70.6447, 68.5829, 85.8584

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

68.4955, 69.8300, 80.3894

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.6447, 68.5829, 85.8584 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(232, 209, 232)` looks like.

```
.text, #text, p{  
    color:rgb(232, 209, 232)  
}
```

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(232, 209, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 209, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 70.6447, 68.5829, 85.8584 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(232, 209, 232) }
```



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

```
.border{ border-color:rgb(232, 209, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 209, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 209, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 209, 232);  
box-shadow:4px 4px 4px 4px rgb(232, 209,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.6447, 68.5829, 85.8584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 209, 232) }
```

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

```
.background{ background-color: rgb(232,  
209, 232) }
```

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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