

# Converting Colors

XYZ(68.3757, 68.4998, 86.7088)

Have a look what the booklet for  
XYZ(68.3757, 68.4998, 86.7088)  
contains.

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# Color

**XYZ(68.3757, 68.4998,  
86.7088)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DED4E9
RGB	222, 212, 233
RGB Percent	87%, 83%, 91%
CMY	0.1294, 0.1686, 0.0863
CMYK	0.05, 0.09, 0.00, 0.09
HSL	269°, 32%, 87%
HSV	269°, 9%, 91%
XYZ	68.3757, 68.4998, 86.7088
YIQ	217.3840, -0.7810, 8.6510

# Conversions

## Conversions Part 2

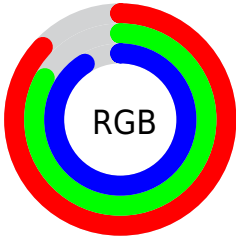
Format	Color
R <sub>Y</sub> B	222, 212, 233
Decimal	14603497
CIE Lab	86.26, 7.26, -9.08
CIE LCh	86, 11.621, 308.636
Yxy	68.4998, 0.3058, 0.3064
Android (android.graphics.Color)	4292793577 (0xFFDED4E9)
YUV	217.3840, 7.6987, 4.0482
Hunter-Lab	82.7646, 2.6291, -4.1803

# Details

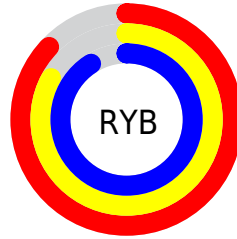
The XYZ color **68.3757, 68.4998, 86.7088** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.4566, 78.7211, 73.7193**, and the grayscale version is **66.1677, 69.6136, 75.8092**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9291, 35.5038, 46.5542** is the 20% darker color. If you saturate the color by 10%, you get **59.3624, 55.8233, 84.7381**, and if you desaturate by 10%, it is **78.5042, 83.0027, 88.9753**.

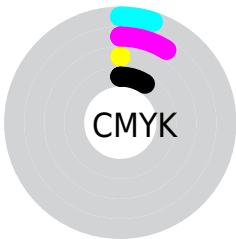
# Distribution



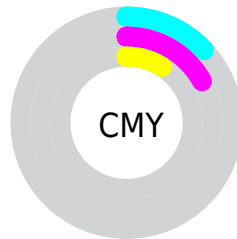
- Red (87%)
- Green (83%)
- Blue (91%)



- Red (87%)
- Yellow (83%)
- Blue (91%)



- Cyan (5%)
- Magenta (9%)
- Yellow (0%)
- Black (9%)



- Cyan (13%)
- Magenta (17%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3757, 68.4998, 86.7088 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 68.3757, 68.4998, 86.7088 by changing the saturation by 10% instead.



68.3757, 68.4998,  
86.7088

68.3757, 68.4998,  
86.7088

444.1819,  
455.2648, 537.5569

50.4782, 50.3045,  
64.6960

115.9284,  
117.0669, 144.6535

36.0129, 35.6554,  
46.7648

146.3144,  
148.2074, 181.4224

24.6143, 24.1681,  
32.4968

181.5939,  
184.4317, 223.9472

15.9171, 15.4584,  
21.4733

222.1322,  
226.1243, 272.6463

9.5560, 9.1417,  
13.2758

268.2949,  
273.6695, 327.9382

5.1656, 4.8337,  
7.4858

320.4471,

2.3805, 2.1500,

327.4517, 390.2416

3.6847

378.9543,  
387.8553, 459.9750

■ 0.8354, 0.6926,  
1.4540

■ 0.0000, 0.0000,  
0.1833

■ 68.3757, 68.4998,  
86.7088

■ 68.3757, 68.4998,  
86.7088

■ 59.3624, 55.8233,  
84.7381

■ 78.5042, 83.0027,  
88.9753

■ 51.4168, 44.8898,  
83.0465

■ 88.6200, 97.0712,  
91.1577

■ 44.4966, 35.6223,  
81.6224

■ 91.7082, 98.6633,  
91.3022

■ 38.5541, 27.9347,  
80.4518

■ 33.5376, 21.7327,  
79.5190

■ 29.3898, 16.9117,  
78.8071

■ 26.0463, 13.3528,  
78.2964

■ 23.4315, 10.9158,  
77.9638

■ 21.4334, 9.3874,  
77.7741

# Harmonies

## Analogous

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



65.8834, 68.4998, 90.1373



68.3757, 68.4998, 86.7088



70.0218, 68.4998, 80.0876

# Triad

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



68.3757, 68.4998, 86.7088



67.0011, 68.4998, 61.6751



60.1471, 68.4998, 76.8213

# Complementary

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



68.3757, 68.4998, 86.7088



71.4566, 78.7211, 73.7193

# 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.



60.4278, 68.4998, 69.3398



68.3757, 68.4998, 86.7088



64.3367, 68.4998, 60.9325

# Square

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



68.3757, 68.4998, 86.7088



69.2132, 68.4998, 65.7496



61.9442, 68.4998, 63.6469



61.1666, 68.4998, 84.1777



# Rectangle

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



68.3757, 68.4998, 86.7088



70.3924, 68.4998, 74.9362



61.9442, 68.4998, 63.6469



60.0931, 68.4998, 74.2342

# Sweetspot

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



68.3777, 68.5027, 86.7103



91.1988, 94.4636, 108.0343



68.3031, 72.7651, 87.5370



19.3046, 19.9099, 23.0755



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.



68.3777, 68.5027, 86.7103



81.5442, 80.7095, 105.8884



71.6297, 70.1792, 86.8625



14.9134, 14.9006, 19.0123



12.2018, 5.3262, 44.1279



1.0686, 0.4752, 3.4703



# Inverse Universe

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



70.4695, 69.7414, 79.5628



84.6691, 82.5603, 95.1983



68.3787, 77.1344, 73.5753



15.3951, 15.1859, 17.3660



21.1265, 10.6533, 11.7335

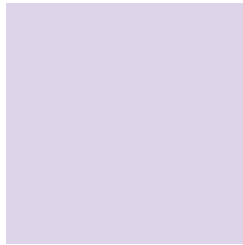


1.7075, 0.8560, 1.1772



# Previews

## White Background



This preview shows how the XYZ color 68.3757, 68.4998, 86.7088 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

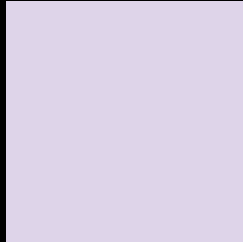
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.3757, 68.4998, 86.7088 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

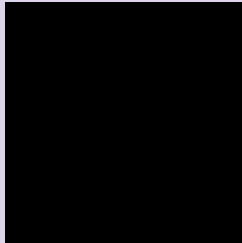
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 68.3757, 68.4998, 86.7088**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.3757, 68.4998, 86.7088.



This preview shows how white text looks on a background with the XYZ color 68.3757, 68.4998,



# 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

68.3757, 68.4998, 86.7088

### Protanopia

66.6294, 68.3298, 87.5191

### Deuteranopia

70.0677, 68.6344, 86.6456



## Tritanopia

67.7559, 68.6178, 83.8022

# Trichromacy



## Original Color

68.3757, 68.4998, 86.7088

## Protanomaly

67.2608, 68.2807, 87.4764

## Deuteranomaly

69.3663, 68.6405, 86.6837

## Tritanomaly

67.8960, 68.6738, 84.5398

# Monochromacy



## Original Color

68.3757, 68.4998, 86.7088

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

66.8331, 68.9887, 79.6057

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.3757, 68.4998, 86.7088 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(222, 212, 233)` looks like.

```
.text, #text, p{  
    color:rgb(222, 212, 233)  
}
```

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(222, 212, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 212, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 68.3757, 68.4998, 86.7088 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(222, 212, 233) }
```



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

```
.border{ border-color:rgb(222, 212, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 212, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 212, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 212, 233);  
box-shadow:4px 4px 4px 4px rgb(222, 212,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.3757, 68.4998, 86.7088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 212, 233) }
```

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

```
.background{ background-color: rgb(222,  
212, 233) }
```

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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