

# Converting Colors

XYZ(68.4816, 69.3826, 83.1816)

Have a look what the booklet for  
XYZ(68.4816, 69.3826, 83.1816)  
contains.

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# Color

**XYZ(68.4816, 69.3825,  
83.1816)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFD6E4
RGB	223, 214, 228
RGB Percent	87%, 84%, 89%
CMY	0.1255, 0.1608, 0.1059
CMYK	0.02, 0.06, 0.00, 0.11
HSL	279°, 21%, 87%
HSV	279°, 6%, 89%
XYZ	68.4816, 69.3825, 83.1816
YIQ	218.2870, 0.8700, 6.2620

# Conversions

## Conversions Part 2

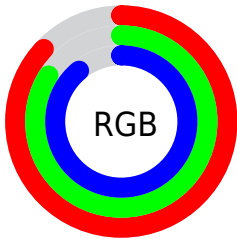
Format	Color
R <sub>Y</sub> B	223, 214, 228
Decimal	14669540
CIE Lab	86.69, 5.60, -5.77
CIE LCh	87, 8.046, 314.129
Yxy	69.3825, 0.3098, 0.3139
Android (android.graphics.Color)	4292859620 (0xFFDFD6E4)
YUV	218.2870, 4.7885, 4.1333
Hunter-Lab	83.2962, 0.9848, -0.9011

# Details

The XYZ color **68.4816, 69.3825, 83.1816** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.0969, 75.4037, 74.5343**, and the grayscale version is **66.8078, 70.2870, 76.5426**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0894, 36.1382, 44.6084** is the 20% darker color. If you saturate the color by 10%, you get **60.6617, 57.3780, 81.2777**, and if you desaturate by 10%, it is **77.2339, 83.0704, 85.3634**.

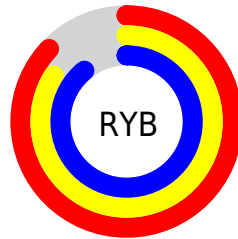
# Distribution



Red (87%)

Green (84%)

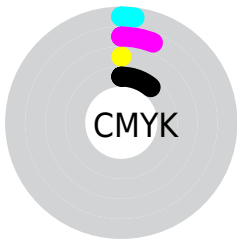
Blue (89%)



Red (87%)

Yellow (84%)

Blue (89%)

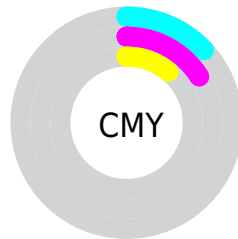


Cyan (2%)

Magenta (6%)

Yellow (0%)

Black (11%)



Cyan (13%)

Magenta (16%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4816, 69.3825, 83.1816 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 68.4816, 69.3825, 83.1816 by changing the saturation by 10% instead.



68.4816, 69.3825,  
83.1816

68.4816, 69.3825,  
83.1816

444.5505,  
458.3789, 525.5784

50.5647, 51.0233,  
61.7985

116.0790,  
118.3277, 139.6813

36.0820, 36.2271,  
44.4352

146.4902,  
149.6825, 175.6349

24.6679, 24.6097,  
30.6731

181.7969,  
186.1380, 217.2825

15.9572, 15.7865,  
20.0936

222.3645,  
228.0785, 265.0426

9.5845, 9.3732,  
12.2784

268.5583,  
275.8884, 319.3337

5.1845, 4.9854,  
6.8087

320.7436,

2.3918, 2.2387,

329.9522, 380.5743

3.2661

379.2859,  
390.6542, 449.1830

■ 0.8410, 0.7410,  
1.2321

■ 0.0000, 0.0000,  
0.0051

■ 68.4816, 69.3825,  
83.1816

■ 68.4816, 69.3825,  
83.1816

■ 60.6617, 57.3780,  
81.2777

■ 77.2339, 83.0704,  
85.3634

■ 53.7332, 46.9805,  
79.6360

■ 85.4587, 95.5229,  
87.3335

■ 47.6606, 38.1207,  
78.2459

■ 88.2753, 96.9749,  
87.4653

■ 42.4037, 30.7207,  
77.0946

■ 91.0038, 98.3815,  
87.5930

■ 37.9188, 24.6958,  
76.1681

■ 34.1575, 19.9520,  
75.4507

■ 31.0656, 16.3835,  
74.9248

■ 28.5799, 13.8668,  
74.5701

■ 26.6220, 12.2483,  
74.3609

# Harmonies

## Analogous

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



66.8277, 69.3825, 85.9794



68.4816, 69.3825, 83.1816



69.4657, 69.3825, 78.3973

# Triad

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



68.4816, 69.3825, 83.1816



66.9343, 69.3825, 66.0664



62.5199, 69.3825, 78.0877

# Complementary

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



68.4816, 69.3825, 83.1816



69.0969, 75.4037, 74.5343

# 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.



62.5472, 69.3825, 72.7642



68.4816, 69.3825, 83.1816



65.0721, 69.3825, 65.9923

# Square

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



68.4816, 69.3825, 83.1816



68.5609, 69.3825, 68.5996



63.4737, 69.3825, 68.3921



63.3984, 69.3825, 82.9457



# Rectangle

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



68.4816, 69.3825, 83.1816



69.5981, 69.3825, 74.8067



63.4737, 69.3825, 68.3921



62.4240, 69.3825, 76.2897

# Sweetspot

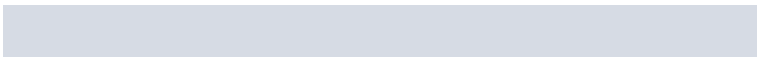
The Sweet Spot groups the original color and five complimentary colors.



68.4836, 69.3855, 83.1831



92.7775, 96.4452, 108.3336



67.1041, 70.6330, 83.4966



19.8820, 20.6805, 23.1938



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.



68.4836, 69.3855, 83.1831



87.3106, 87.9459, 106.9812



69.7893, 70.0883, 81.8990



14.8049, 14.8618, 18.2327



15.1219, 6.8615, 42.9106



1.2178, 0.5588, 3.1756



# Inverse Universe

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



68.8300, 69.7046, 76.8477



87.8249, 88.4182, 97.6489



67.8549, 74.7357, 75.7276



14.8994, 14.9485, 16.5255



19.3937, 9.8917, 5.7023

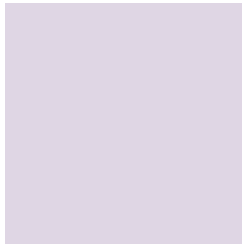


1.4762, 0.7482, 0.6483



# Previews

## White Background



This preview shows how the XYZ color 68.4816, 69.3825, 83.1816 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 68.4816, 69.3825, 83.1816 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

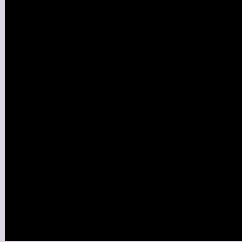
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

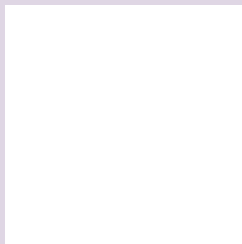
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 68.4816, 69.3825, 83.1816

## Background



This preview shows how black text looks on a background with the XYZ color 68.4816, 69.3825, 83.1816.



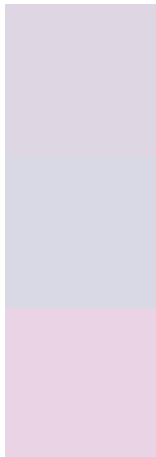
This preview shows how white text looks on a background with the XYZ color 68.4816, 69.3825,



# 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

68.4816, 69.3825, 83.1816

### Protanopia

67.3140, 69.5206, 83.9997

### Deuteranopia

71.0414, 69.5693, 83.8127



## Tritanopia

68.7609, 69.4943, 84.6526

# Trichromacy



## Original Color

68.4816, 69.3825, 83.1816

## Protanomaly

67.6567, 69.3181, 83.9426

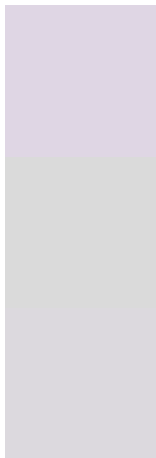
## Deuteranomaly

69.9994, 69.4021, 83.8353

## Tritanomaly

68.6208, 69.4383, 83.9150

# Monochromacy



## Original Color

68.4816, 69.3825, 83.1816

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

67.5129, 70.1153, 79.0825

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.4816, 69.3825, 83.1816 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(223, 214, 228)` looks like.

```
.text, #text, p{  
    color:rgb(223, 214, 228)  
}
```

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(223, 214, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 214, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 68.4816, 69.3825, 83.1816 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(223, 214, 228) }
```



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

```
.border{ border-color:rgb(223, 214, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 214, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 214, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 214, 228);  
box-shadow:4px 4px 4px 4px rgb(223, 214,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.4816, 69.3825, 83.1816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 214, 228) }
```

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

```
.background{ background-color: rgb(223,  
214, 228) }
```

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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