

# Converting Colors

XYZ(68.3054, 69.9710, 88.3889)

Have a look what the booklet for  
XYZ(68.3054, 69.9710, 88.3889)  
contains.

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# Color

**XYZ(68.1665, 69.8616,  
88.4891)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9D8EB
RGB	217, 216, 235
RGB Percent	85%, 85%, 92%
CMY	0.1490, 0.1529, 0.0784
CMYK	0.08, 0.08, 0.00, 0.08
HSL	243°, 32%, 88%
HSV	243°, 8%, 92%
XYZ	68.1665, 69.8616, 88.4891
YIQ	218.4650, -5.5030, 6.1210

# Conversions

## Conversions Part 2

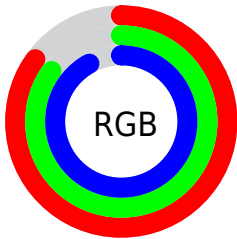
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	217, 216, 235
Decimal	14276843
CIE Lab	86.93, 3.90, -9.18
CIE LCh	87, 9.970, 293.008
Yxy	69.8616, 0.3009, 0.3084
Android (android.graphics.Color)	4292466923 (0xFFD9D8EB)
YUV	218.4650, 8.1518, -1.2848
Hunter-Lab	83.5833, -0.6946, -4.2617

# Details

The XYZ color **68.1665, 69.8616, 88.4891** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.0373, 81.8688, 76.7638**, and the grayscale version is **66.9114, 70.3960, 76.6613**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7818, 36.4258, 47.7928** is the 20% darker color. If you saturate the color by 10%, you get **56.3935, 55.4864, 86.3360**, and if you desaturate by 10%, it is **81.6977, 86.4250, 90.9741**.

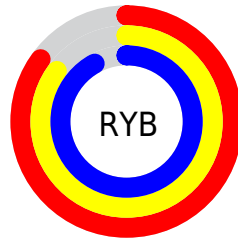
# Distribution



Red (85%)

Green (85%)

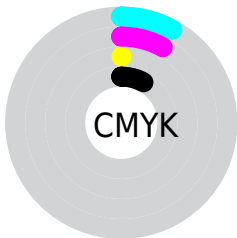
Blue (92%)



Red (85%)

Yellow (85%)

Blue (92%)

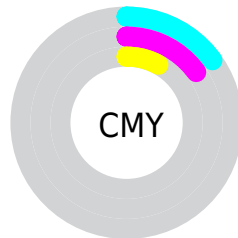


Cyan (8%)

Magenta (8%)

Yellow (0%)

Black (8%)



Cyan (15%)

Magenta (15%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1665, 69.8616, 88.4891 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 68.1665, 69.8616, 88.4891 by changing the saturation by 10% instead.



■ 68.1665, 69.8616,  
88.4891

■ 68.1665, 69.8616,  
88.4891

443.4532,  
460.0639, 543.5464

■ 50.3074, 51.4137,  
66.1616

115.6309,  
119.0114, 147.1550

■ 35.8765, 36.5380,  
47.9463

145.9669,  
150.4820, 184.3305

■ 24.5085, 24.8500,  
33.4246

181.1925,  
187.0624, 227.2923

■ 15.8380, 15.9653,  
22.1782

221.6732,  
229.1369, 276.4591

■ 9.4997, 9.4996,  
13.7883

267.7743,  
277.0899, 332.2494

■ 5.1282, 5.0685,  
7.8365

319.8610,

■ 2.3582, 2.2875,

331.3058, 395.0816

3.9042

378.2989,  
392.1690, 465.3745

■ 0.8242, 0.7671,  
1.5730

■ 0.0000, 0.0000,  
0.2714

■ 68.1665, 69.8616,  
88.4891

■ 68.1665, 69.8616,  
88.4891

■ 56.3935, 55.4864,  
86.3360

■ 81.6977, 86.4250,  
90.9741

■ 46.3005, 43.1996,  
84.4964

■ 91.9956, 98.7782,  
92.8157

■ 37.8129, 32.9067,  
82.9570

■ 30.8477, 24.5024,  
81.7019

■ 25.3149, 17.8720,  
80.7137

■ 21.1145, 12.8882,  
79.9731

■ 18.1342, 9.4065,  
79.4582

■ 16.2425, 7.2576,  
79.1431

■ 15.2685, 6.2115,  
78.9925

# Harmonies

## Analogous

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



65.8579, 69.8616, 89.5157



68.1665, 69.8616, 88.4891



70.0415, 69.8616, 84.0455

# Triad

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



68.1665, 69.8616, 88.4891



69.1316, 69.8616, 66.2798



62.0564, 69.8616, 74.5173

# Complementary

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



68.1665, 69.8616, 88.4891



76.0373, 81.8688, 76.7638

# 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.



62.8896, 69.8616, 68.6109



68.1665, 69.8616, 88.4891



66.9478, 69.8616, 64.0384

# Square

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



68.1665, 69.8616, 88.4891



70.6077, 69.8616, 71.1655



64.6669, 69.8616, 64.8662



62.3655, 69.8616, 81.1893



# Rectangle

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



68.1665, 69.8616, 88.4891



70.7752, 69.8616, 79.8760



64.6669, 69.8616, 64.8662



62.2115, 69.8616, 72.3818

# Sweetspot

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



68.1686, 69.8646, 88.4906



91.6890, 95.8840, 108.2827



72.7535, 79.4729, 90.1036



19.6604, 20.5662, 23.1834



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.



68.1686, 69.8646, 88.4906



79.1106, 80.4977, 105.9758



71.0591, 71.3547, 88.6259



14.3043, 14.5866, 18.9838



8.4645, 3.3995, 43.9530



0.6905, 0.2803, 3.4526



# Inverse Universe

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



73.6705, 72.7175, 87.9985



87.2332, 84.7099, 105.2354



73.0163, 80.3114, 76.6225



15.6787, 15.2993, 18.8593



26.4711, 12.7911, 39.8777

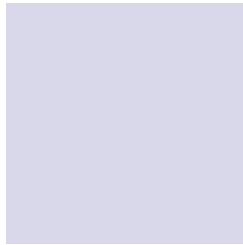


2.0891, 1.0086, 3.1866



# Previews

## White Background



This preview shows how the XYZ color 68.1665, 69.8616, 88.4891 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 68.1665, 69.8616, 88.4891 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

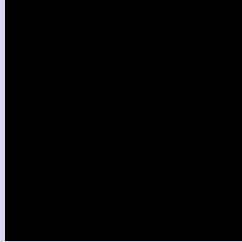
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 68.1665, 69.8616, 88.4891

## Background



This preview shows how black text looks on a background with the XYZ color 68.1665, 69.8616, 88.4891.



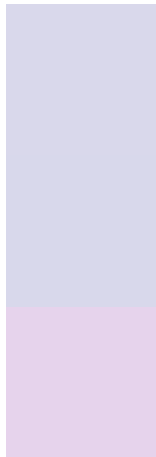
This preview shows how white text looks on a background with the XYZ color 68.1665, 69.8616,



# 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

68.1665, 69.8616, 88.4891

### Protanopia

67.8702, 69.7088, 88.4753

### Deuteranopia

71.0677, 69.4677, 89.0198



## Tritanopia

67.8791, 69.7466, 86.9756

# Trichromacy



## Original Color

68.1665, 69.8616, 88.4891

## Protanomaly

67.8702, 69.7088, 88.4753

## Deuteranomaly

69.9859, 69.6522, 89.1124

## Tritanomaly

68.0224, 69.8040, 87.7302

# Monochromacy



## Original Color

68.1665, 69.8616, 88.4891

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

67.1808, 69.9130, 80.4747

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.1665, 69.8616, 88.4891 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(217, 216, 235) looks like.

```
.text, #text, p{  
    color:rgb(217, 216, 235)  
}
```

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(217, 216, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 216, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 68.1665, 69.8616, 88.4891 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(217, 216, 235) }
```



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

```
.border{ border-color:rgb(217, 216, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 216, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 216, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 216, 235);  
box-shadow:4px 4px 4px 4px rgb(217, 216,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.1665, 69.8616, 88.4891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 216, 235) }
```

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

```
.background{ background-color: rgb(217,  
216, 235) }
```

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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