

# Converting Colors

XYZ(69.4518, 75.1757, 84.4165)

Have a look what the booklet for  
XYZ(69.4518, 75.1757, 84.4165)  
contains.

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# Color

**XYZ(69.4785, 75.3844,  
84.2875)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D6E4E4
RGB	214, 228, 228
RGB Percent	84%, 89%, 89%
CMY	0.1608, 0.1059, 0.1059
CMYK	0.06, 0.00, 0.00, 0.11
HSL	180°, 21%, 87%
HSV	180°, 6%, 89%
XYZ	69.4785, 75.3844, 84.2875
YIQ	223.8140, -8.3440, -2.9680

# Conversions

## Conversions Part 2

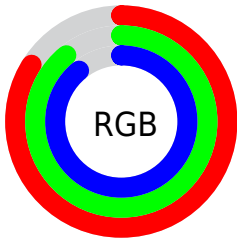
<b>Format</b>	<b>Color</b>
<b>RYB</b>	214, 221, 228
Decimal	14083300
CIELab	89.57, -4.65, -1.62
CIELCh	90, 4.919, 199.189
Yxy	75.3844, 0.3032, 0.3290
Android (android.graphics.Color)	4292273380 (0xFFD6E4E4)
YUV	223.8140, 2.0637, -8.6069
Hunter-Lab	86.8242, -9.1030, 3.2192

# Details

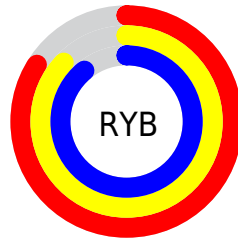
The XYZ color **69.4785, 75.3844, 84.2875** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.1818, 69.4440, 73.4323**, and the grayscale version is **70.7105, 74.3930, 81.0140**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.7845, 40.2752, 45.3703** is the 20% darker color. If you saturate the color by 10%, you get **63.2843, 72.1933, 83.9948**, and if you desaturate by 10%, it is **76.6085, 79.0620, 84.6271**.

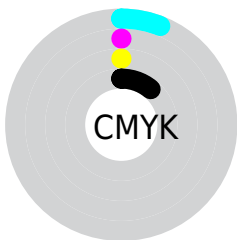
# Distribution



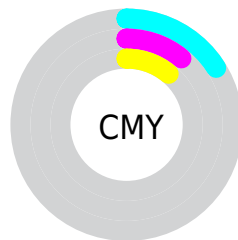
- Red (84%)
- Green (89%)
- Blue (89%)



- Red (84%)
- Yellow (87%)
- Blue (89%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (16%)
- Magenta (11%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.4785, 75.3844, 84.2875 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 69.4785, 75.3844, 84.2875 by changing the saturation by 10% instead.



■ 69.4785, 75.3844,  
84.2875

■ 69.4785, 75.3844,  
84.2875

448.0118,  
479.2378, 529.3504

■ 51.3796, 55.9279,  
62.7061

117.4951,  
126.8563, 141.2426

■ 36.7330, 40.1451,  
45.1640

148.1434,  
159.6405, 177.4533

■ 25.1736, 27.6517,  
31.2427

183.7056,  
197.6361, 219.3776

■ 16.3358, 18.0633,  
20.5237

224.5471,  
241.2274, 267.4339

■ 9.8545, 10.9954,  
12.5885

271.0330,  
290.7988, 322.0408

■ 5.3641, 6.0638,  
7.0184

323.5289,

■ 2.4994, 2.8839,

346.7347, 383.6168

3.3950

382.4001,  
409.4196, 452.5805

■ 0.8949, 1.0714,  
1.2997

■ 0.0000, 0.0000,  
0.0615

■ 69.4785, 75.3844,  
84.2875

■ 69.4785, 75.3844,  
84.2875

■ 63.2843, 72.1933,  
83.9948

■ 76.6085, 79.0620,  
84.6271

■ 57.9808, 69.4594,  
83.7422

■ 82.9903, 82.3519,  
84.9301

■ 53.5292, 67.1646,  
83.5295

■ 82.9912, 82.3522,  
84.9345

■ 49.8850, 65.2861,  
83.3546

■ 82.9920, 82.3526,  
84.9390

46.9999, 63.7988,  
83.2152

82.9928, 82.3529,  
84.9434

44.8202, 62.6753,  
83.1089

82.9937, 82.3532,  
84.9478

43.2856, 61.8842,  
83.0327

82.9945, 82.3536,  
84.9522

42.3252, 61.3892,  
82.9834

82.9954, 82.3539,  
84.9566

41.8512, 61.1450,  
82.9568

82.9962, 82.3542,  
84.9610

# Harmonies

## Analogous

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



69.3925, 75.3844, 80.8389



69.4785, 75.3844, 84.2875



70.1427, 75.3844, 87.2211

# Triad

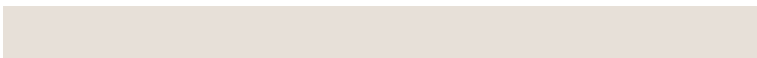
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.4785, 75.3844, 84.2875



73.4237, 75.3844, 86.5072



72.0873, 75.3844, 75.7164

# Complementary

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



69.4785, 75.3844, 84.2875



68.1818, 69.4440, 73.4323

# 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.



73.1799, 75.3844, 77.1466



69.4785, 75.3844, 84.2875



73.9572, 75.3844, 83.3353

# Square

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



69.4785, 75.3844, 84.2875



72.4170, 75.3844, 88.5273



73.8675, 75.3844, 79.9129



70.8896, 75.3844, 75.9551

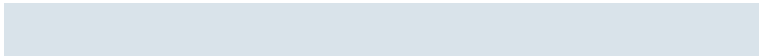


# Rectangle

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



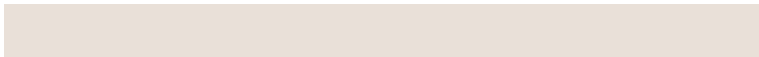
69.4785, 75.3844, 84.2875



70.8283, 75.3844, 88.4595



73.8675, 75.3844, 79.9129



72.4793, 75.3844, 76.0163

# Sweetspot

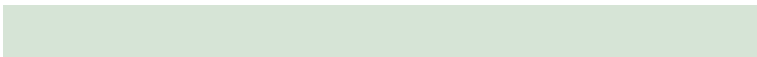
The Sweet Spot groups the original color and five complimentary colors.



69.4807, 75.3876, 84.2892



93.1983, 99.0454, 108.8122



67.6828, 74.6763, 74.4660



19.9677, 21.2098, 23.2912



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

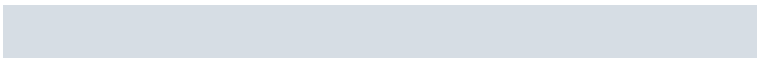
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.4807, 75.3876, 84.2892



88.7844, 96.7701, 108.6028



67.6553, 71.7361, 83.6833



15.0751, 16.4744, 18.5289



24.1015, 35.2727, 47.8963



1.7811, 2.6066, 3.5397

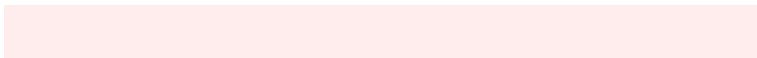


# Inverse Universe

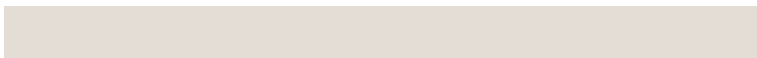
The Inverse Universe completely reimagines the original color for something new.



68.1818, 69.4440, 73.4323



86.8763, 88.0387, 92.6536



69.9301, 72.9415, 74.0127



14.7266, 14.8793, 15.6152



18.4753, 9.5243, 0.8660

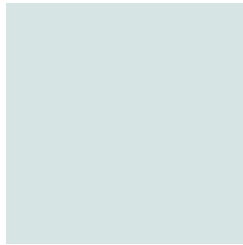


1.3653, 0.7038, 0.0643



# Previews

## White Background



This preview shows how the XYZ color 69.4785, 75.3844, 84.2875 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

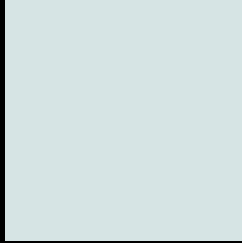
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.4785, 75.3844, 84.2875 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

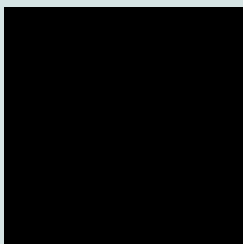
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

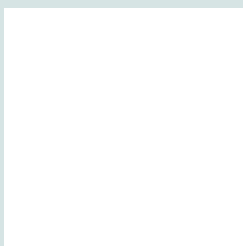
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 69.4785, 75.3844, 84.2875**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.4785, 75.3844, 84.2875.



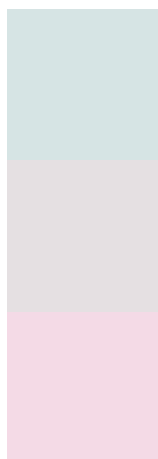
This preview shows how white text looks on a background with the XYZ color 69.4785, 75.3844,



# 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

69.4785, 75.3844, 84.2875

### Protanopia

72.6962, 75.4603, 82.6853

### Deuteranopia

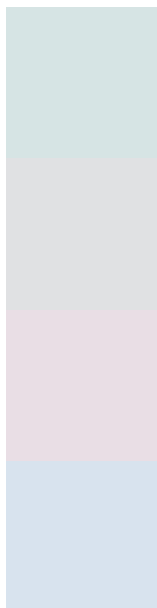
76.6626, 75.0891, 85.3160



## Tritanopia

71.9893, 75.6155, 95.5950

# Trichromacy



## Original Color

69.4785, 75.3844, 84.2875

## Protanomaly

71.5308, 75.2438, 83.4265

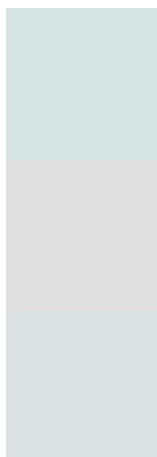
## Deuteranomaly

73.8684, 75.2233, 84.7550

## Tritanomaly

71.2206, 75.7101, 91.7487

# Monochromacy



## Original Color

69.4785, 75.3844, 84.2875

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

70.0310, 74.5023, 81.9235

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.4785, 75.3844, 84.2875 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(214, 228, 228) looks like.

```
.text, #text, p{  
    color:rgb(214, 228, 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(214, 228, 228) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 69.4785, 75.3844, 84.2875 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(214, 228, 228) }
```



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

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

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

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

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

# Background

The CSS property to change the background color of an element to XYZ 69.4785, 75.3844, 84.2875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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