

# Converting Colors

XYZ(69.5772, 76.0661, 84.7015)

Have a look what the booklet for  
XYZ(69.5772, 76.0661, 84.7015)  
contains.

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# Color

**XYZ(69.7410, 76.3412,  
84.4584)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5E6E4
RGB	213, 230, 228
RGB Percent	84%, 90%, 89%
CMY	0.1647, 0.0980, 0.1059
CMYK	0.07, 0.00, 0.01, 0.10
HSL	173°, 25%, 87%
HSV	173°, 7%, 90%
XYZ	69.7410, 76.3412, 84.4584
YIQ	224.6890, -9.4900, -4.2260

# Conversions

## Conversions Part 2

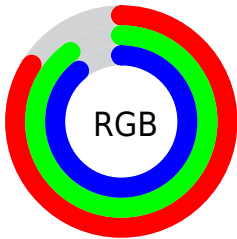
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	213, 222, 230
Decimal	14018276
CIE Lab	90.02, -6.00, -0.97
CIE LCh	90, 6.075, 189.226
Yxy	76.3412, 0.3025, 0.3311
Android (android.graphics.Color)	4292208356 (0xFFD5E6E4)
YUV	224.6890, 1.6323, -10.2513
Hunter-Lab	87.3735, -10.4258, 3.8495

# Details

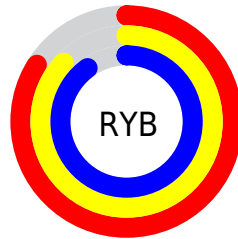
The XYZ color **69.7410, 76.3412, 84.4584** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.6959, 69.3198, 74.0530**, and the grayscale version is **71.3401, 75.0554, 81.7353**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9733, 40.9462, 45.4899** is the 20% darker color. If you saturate the color by 10%, you get **63.1642, 72.9960, 82.2034**, and if you desaturate by 10%, it is **77.2742, 80.1830, 86.7921**.

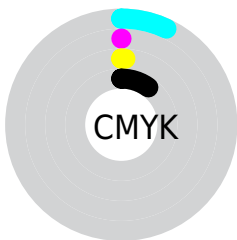
# Distribution



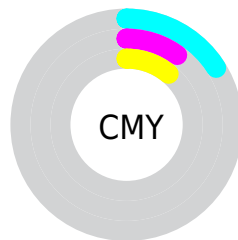
- Red (84%)
- Green (90%)
- Blue (89%)



- Red (84%)
- Yellow (87%)
- Blue (90%)



- Cyan (7%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)



- Cyan (16%)
- Magenta (10%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7410, 76.3412, 84.4584 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 69.7410, 76.3412, 84.4584 by changing the saturation by 10% instead.



■ 69.7410, 76.3412,  
84.4584

■ 69.7410, 76.3412,  
84.4584

448.9207,  
482.5149, 529.9320

■ 51.5942, 56.7123,  
62.8464

117.8676,  
128.2091, 141.4837

■ 36.9047, 40.7743,  
45.2768

148.5782,  
161.2169, 177.7340

■ 25.3071, 28.1428,  
31.3309

184.2074,  
199.4532, 219.7009

■ 16.4359, 18.4333,  
20.5904

225.1206,  
243.3023, 267.8028

■ 9.9259, 11.2615,  
12.6366

271.6832,  
293.1486, 322.4583

■ 5.4118, 6.2430,  
7.0510

324.2605,

■ 2.5281, 2.9934,

349.3765, 384.0860

3.4151

383.2179,  
412.3705, 453.1044

■ 0.9094, 1.1283,  
1.3103

■ 0.0000, 0.0019,  
0.0702

■ 69.7410, 76.3412,  
84.4584

■ 69.7410, 76.3412,  
84.4584

■ 63.1642, 72.9960,  
82.2034

■ 77.2742, 80.1830,  
86.7921

■ 57.4977, 70.1172,  
80.0200


■ 84.3066, 83.7638,  
89.1318


■ 52.7011, 67.6863,  
77.9079


■ 84.6978, 83.9203,  
91.1917

■ 48.7287, 65.6796,  
75.8647


■ 85.0949, 84.0792,  
93.2831


 45.5305, 64.0712,  
73.8880

 85.4981, 84.2404,  
95.4061


 43.0508, 62.8327,  
71.9750


 85.9073, 84.4041,  
97.5608


 41.2268, 61.9315,  
70.1227

 86.3225, 84.5702,  
99.7475

 39.9845, 61.3295,  
68.3273

 86.7438, 84.7387,  
101.9661

 39.2257, 60.9762,  
66.5843

 87.1713, 84.9097,  
104.2169

# Harmonies

## Analogous

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



69.8879, 76.3412, 80.2176



69.7410, 76.3412, 84.4584



70.3413, 76.3412, 88.4744

# Triad

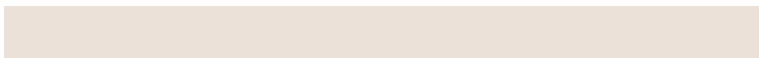
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.7410, 76.3412, 84.4584



74.4054, 76.3412, 89.7093



73.5912, 76.3412, 75.6121

# Complementary

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



69.7410, 76.3412, 84.4584



68.6959, 69.3198, 74.0530

# 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.



74.8249, 76.3412, 77.9911



69.7410, 76.3412, 84.4584



75.2994, 76.3412, 86.0968

# Square

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



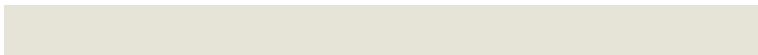
69.7410, 76.3412, 84.4584



73.0250, 76.3412, 91.5742



75.4540, 76.3412, 81.8009



72.0971, 76.3412, 75.2077



# Rectangle

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



69.7410, 76.3412, 84.4584



71.0895, 76.3412, 90.4484



75.4540, 76.3412, 81.8009



74.0507, 76.3412, 76.2034

# Sweetspot

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



69.7432, 76.3444, 84.4601



93.1019, 99.0069, 108.3046



68.4121, 75.8885, 73.9943



19.9480, 21.2019, 23.1879



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.



69.7432, 76.3444, 84.4601



86.6726, 95.7312, 106.2513



68.3188, 73.0480, 85.3656



14.7305, 16.3056, 18.1114



22.1459, 34.4905, 37.5981



1.6573, 2.5570, 2.8879



# Inverse Universe

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



68.6959, 69.3198, 74.0530



85.0706, 84.9853, 90.3313



70.0385, 72.4145, 73.2380



14.4457, 14.3955, 15.2816



18.6107, 9.5785, 1.5790

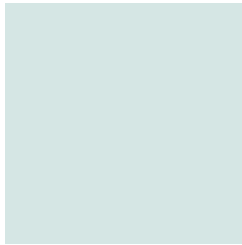


1.3982, 0.7170, 0.2373



# Previews

## White Background



This preview shows how the XYZ color 69.7410, 76.3412, 84.4584 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

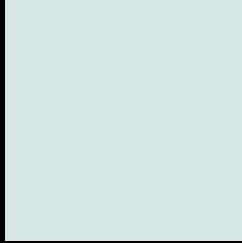
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.7410, 76.3412, 84.4584 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

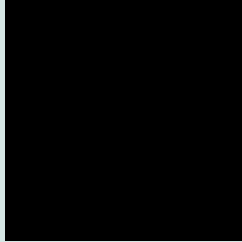
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

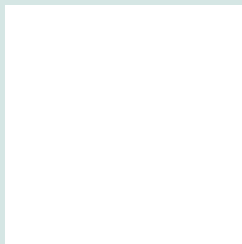
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 69.7410, 76.3412, 84.4584

## Background



This preview shows how black text looks on a background with the XYZ color 69.7410, 76.3412, 84.4584.



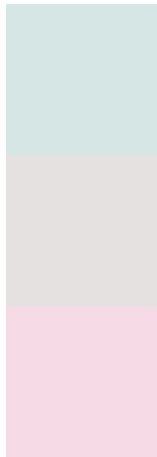
This preview shows how white text looks on a background with the XYZ color 69.7410, 76.3412,

84.4584.

# 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

69.7410, 76.3412, 84.4584

### Protanopia

73.1489, 76.1097, 82.0694

### Deuteranopia

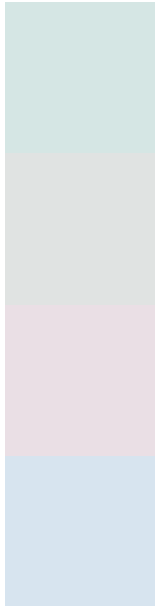
77.6205, 75.9690, 85.4354



## **Tritanopia**

72.2694, 76.1297, 97.2717

# Trichromacy



## Original Color

69.7410, 76.3412, 84.4584

## Protanomaly

71.9370, 76.2765, 82.8828

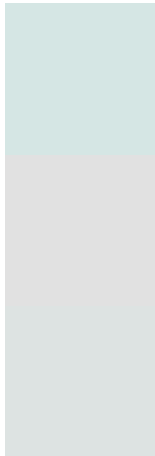
## Deuteranomaly

74.4622, 75.9249, 84.8591

## Tritanomaly

71.3477, 76.1659, 92.6024

# Monochromacy



## Original Color

69.7410, 76.3412, 84.4584

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

71.0153, 75.8013, 82.8397

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.7410, 76.3412, 84.4584 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(213, 230, 228) looks like.

```
.text, #text, p{  
    color:rgb(213, 230, 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(213, 230, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 230, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 69.7410, 76.3412, 84.4584 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(213, 230, 228) }
```



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

```
.border{ border-color:rgb(213, 230, 228) }
```

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

Here you see how a box with a 4 pixel rgb(213, 230, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 230, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 230, 228);  
box-shadow:4px 4px 4px 4px rgb(213, 230,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.7410, 76.3412, 84.4584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 230, 228) }
```

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

```
.background{ background-color: rgb(213,  
230, 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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