

# Converting Colors

XYZ(69.4780, 74.3459, 84.4158)

Have a look what the booklet for  
XYZ(69.4780, 74.3459, 84.4158)  
contains.

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# **Color**

**XYZ(69.2477, 74.0508,  
84.0423)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8E1E4
RGB	216, 225, 228
RGB Percent	85%, 88%, 89%
CMY	0.1529, 0.1176, 0.1059
CMYK	0.05, 0.01, 0.00, 0.11
HSL	195°, 18%, 87%
HSV	195°, 5%, 89%
XYZ	69.2477, 74.0508, 84.0423
YIQ	222.6510, -6.3270, -0.9750

# Conversions

## Conversions Part 2

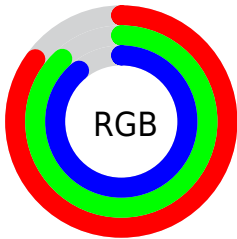
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 221, 228
Decimal	14213604
CIE Lab	88.95, -2.45, -2.52
CIE LCh	89, 3.510, 225.840
Yxy	74.0508, 0.3046, 0.3257
Android (android.graphics.Color)	4292403684 (0xFFD8E1E4)
YUV	222.6510, 2.6371, -5.8329
Hunter-Lab	86.0528, -6.9513, 2.3322

# Details

The XYZ color **69.2477, 74.0508, 84.0423** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.7213, 72.1142, 75.2116**, and the grayscale version is **69.8785, 73.5177, 80.0607**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.6155, 39.3436, 45.1994** is the 20% darker color. If you saturate the color by 10%, you get **61.4605, 67.7915, 83.2457**, and if you desaturate by 10%, it is **78.0251, 80.9009, 84.9030**.

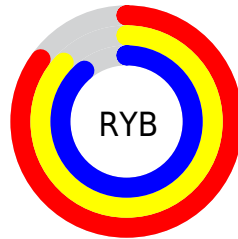
# Distribution



Red (85%)

Green (88%)

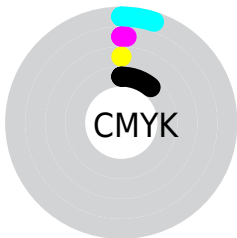
Blue (89%)



Red (85%)

Yellow (87%)

Blue (89%)

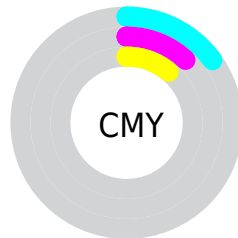


Cyan (5%)

Magenta (1%)

Yellow (0%)

Black (11%)



Cyan (15%)

Magenta (12%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.2477, 74.0508, 84.0423 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 69.2477, 74.0508, 84.0423 by changing the saturation by 10% instead.



■ 69.2477, 74.0508,  
84.0423

■ 69.2477, 74.0508,  
84.0423

447.2118,  
474.6487, 528.5154

■ 51.1908, 54.8356,  
62.5048

117.1674,  
124.9678, 140.8966

■ 36.5822, 39.2701,  
45.0023

147.7610,  
157.4384, 177.0505

■ 25.0563, 26.9699,  
31.1163

183.2642,  
195.0963, 218.9135

■ 16.2480, 17.5506,  
20.4282

224.0424,  
238.3259, 266.9043

■ 9.7918, 10.6279,  
12.5195

270.4608,  
287.5115, 321.4413

■ 5.3223, 5.8172,  
6.9717

322.8850,

■ 2.4743, 2.7342,

343.0376, 382.9431

3.3662

381.6802,  
405.2885, 451.8283

■ 0.8823, 0.9946,  
1.2845

■ 0.0000, 0.0000,  
0.0491

■ 69.2477, 74.0508,  
84.0423

■ 69.2477, 74.0508,  
84.0423

■ 61.4605, 67.7915,  
83.2457

■ 78.0251, 80.9009,  
84.9030

■ 54.6185, 62.0928,  
82.5063

■ 85.3522, 87.0782,  
85.7092

■ 48.6823, 56.9357,  
81.8238

■ 87.0212, 90.4163,  
86.2655

■ 43.6073, 52.2967,  
81.1959

■ 88.7430, 93.8599,  
86.8395

■ 39.3452, 48.1499,  
80.6201

■ 90.5181, 97.4100,  
87.4311

■ 35.8422, 44.4668,  
80.0938

■ 91.0038, 98.3815,  
87.5931

■ 33.0381, 41.2157,  
79.6141

■ 30.8627, 38.3595,  
79.1774

■ 29.2301, 35.8532,  
78.7797

# Harmonies

## Analogous

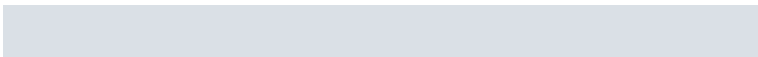
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.8185, 74.0508, 81.9164



69.2477, 74.0508, 84.0423



69.9830, 74.0508, 85.2650

# Triad

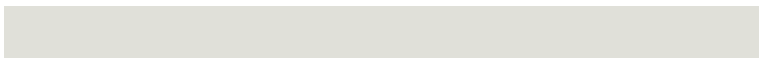
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.2477, 74.0508, 84.0423



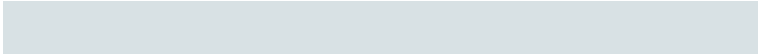
71.9838, 74.0508, 81.7822



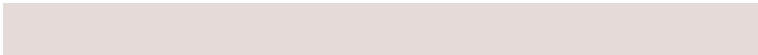
69.9368, 74.0508, 76.1980

# Complementary

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



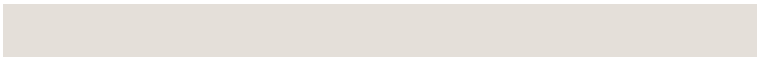
69.2477, 74.0508, 84.0423



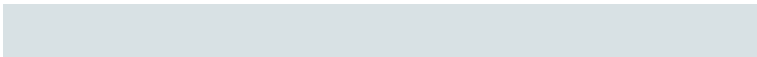
69.7213, 72.1142, 75.2116

# 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.



70.7847, 74.0508, 76.1637



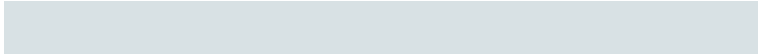
69.2477, 74.0508, 84.0423



71.9712, 74.0508, 79.3547

# Square

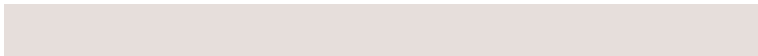
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.2477, 74.0508, 84.0423



71.5651, 74.0508, 83.9424



71.5308, 74.0508, 77.3089



69.2141, 74.0508, 77.4035



# Rectangle

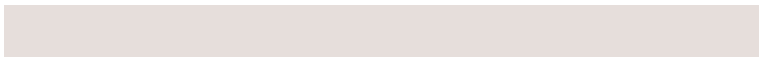
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.2477, 74.0508, 84.0423



70.5499, 74.0508, 85.3877



71.5308, 74.0508, 77.3089



70.2165, 74.0508, 76.0499

# Sweetspot

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



69.2498, 74.0539, 84.0439



92.7936, 98.2357, 108.6784



68.8233, 75.1909, 77.7669



19.8853, 21.0450, 23.2640



0.0000, 0.0000, 0.0000

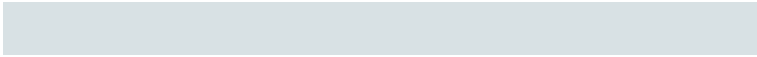


20.3446, 21.4041, 23.3091

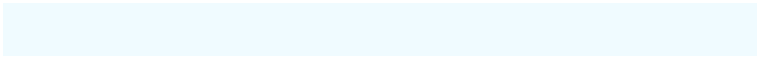


# Same Dimension

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



69.2498, 74.0539, 84.0439



88.4367, 94.7994, 108.2447



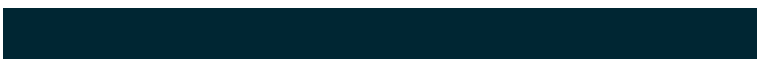
67.7074, 70.9690, 83.5298



14.9863, 16.0936, 18.4609



16.6014, 20.2649, 45.4197



1.2992, 1.6423, 3.3805



# Inverse Universe

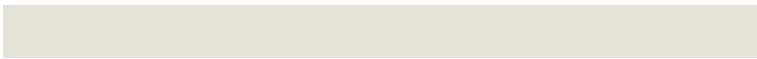
The Inverse Universe completely reimagines the original color for something new.



70.1430, 71.0433, 81.2537



89.7528, 90.3801, 104.1299



71.2619, 75.1954, 75.7251



15.2319, 15.2710, 17.6922



22.7731, 11.2435, 23.4980

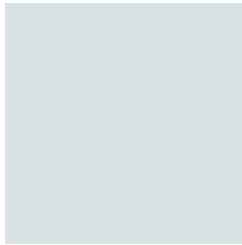


1.7194, 0.8455, 1.9288



# Previews

## White Background



This preview shows how the XYZ color 69.2477, 74.0508, 84.0423 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

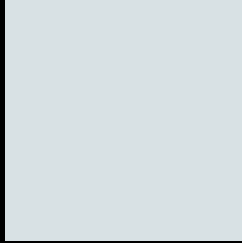
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.2477, 74.0508, 84.0423 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

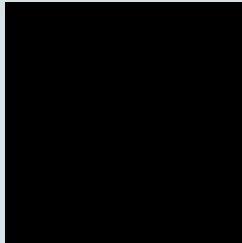
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

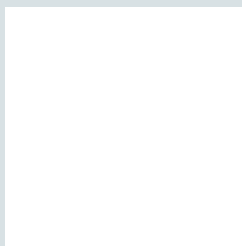
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 69.2477, 74.0508, 84.0423**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.2477, 74.0508, 84.0423.



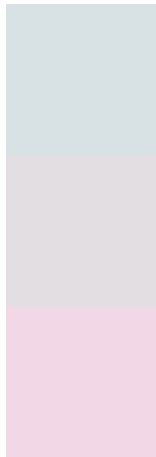
This preview shows how white text looks on a background with the XYZ color 69.2477, 74.0508,



# 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

69.2477, 74.0508, 84.0423

### Protanopia

71.2128, 73.9023, 82.4628

### Deuteranopia

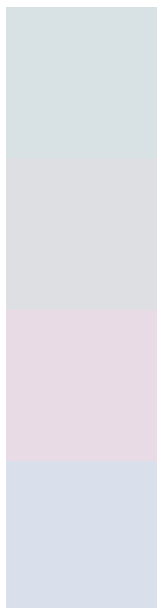
75.4567, 73.7022, 85.1118



## **Tritanopia**

71.1783, 74.0317, 93.7571

# Trichromacy



## Original Color

69.2477, 74.0508, 84.0423

## Protanomaly

70.3770, 73.8510, 83.2184

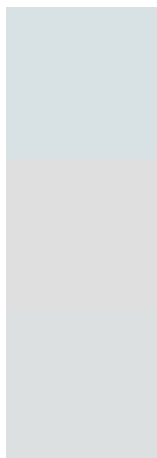
## Deuteranomaly

73.0786, 73.6438, 84.4918

## Tritanomaly

70.4112, 74.1192, 89.9522

# Monochromacy



## Original Color

69.2477, 74.0508, 84.0423

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

69.7615, 73.9632, 81.8337

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.2477, 74.0508, 84.0423 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(216, 225, 228) looks like.

```
.text, #text, p{  
    color:rgb(216, 225, 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(216, 225, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 225, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 69.2477, 74.0508, 84.0423 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".

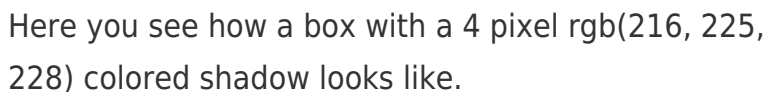
```
.border, #border, table{ border:4px solid rgb(216, 225, 228) }
```



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

```
.border{ border-color:rgb(216, 225, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 225, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 225, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 225, 228); box-shadow:4px 4px 4px 4px rgb(216, 225, 228) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.2477, 74.0508, 84.0423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 225, 228) }
```

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

```
.background{ background-color: rgb(216,  
225, 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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