

# Converting Colors

XYZ(69.3351, 74.6006, 83.4131)

Have a look what the booklet for  
XYZ(69.3351, 74.6006, 83.4131)  
contains.

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# Color

**XYZ(69.3804, 74.5377,  
83.4035)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D8E2E3
RGB	216, 226, 227
RGB Percent	85%, 89%, 89%
CMY	0.1529, 0.1137, 0.1098
CMYK	0.05, 0.00, 0.00, 0.11
HSL	185°, 16%, 87%
HSV	185°, 5%, 89%
XYZ	69.3804, 74.5377, 83.4035
YIQ	223.1240, -6.2810, -1.8090

# Conversions

## Conversions Part 2

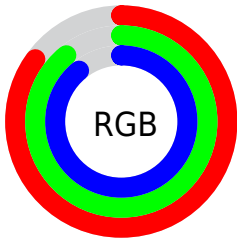
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 221, 227
Decimal	14213859
CIE Lab	89.18, -3.15, -1.66
CIE LCh	89, 3.557, 207.758
Yxy	74.5377, 0.3052, 0.3279
Android (android.graphics.Color)	4292403939 (0xFFD8E2E3)
YUV	223.1240, 1.9109, -6.2477
Hunter-Lab	86.3352, -7.6411, 3.1580

# Details

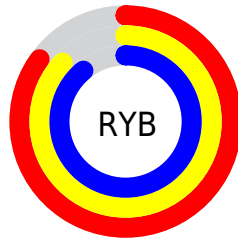
The XYZ color **69.3804, 74.5377, 83.4035** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.8863, 70.9138, 75.0240**, and the grayscale version is **70.2192, 73.8761, 80.4510**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.7072, 39.6814, 44.7543** is the 20% darker color. If you saturate the color by 10%, you get **62.5766, 70.2072, 82.9274**, and if you desaturate by 10%, it is **77.1217, 79.3656, 83.9285**.

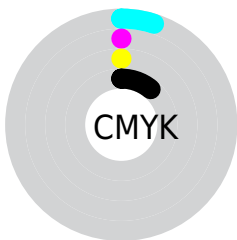
# Distribution



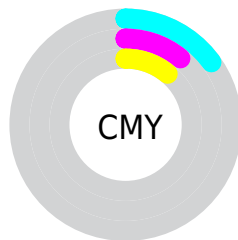
- Red (85%)
- Green (89%)
- Blue (89%)



- Red (85%)
- Yellow (87%)
- Blue (89%)



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (15%)
- Magenta (11%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3804, 74.5377, 83.4035 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 69.3804, 74.5377, 83.4035 by changing the saturation by 10% instead.



■ 69.3804, 74.5377,  
83.4035

■ 69.3804, 74.5377,  
83.4035

447.6719,  
476.3271, 526.3365

■ 51.2993, 55.2342,  
61.9805

117.3558,  
125.6577, 139.9947

■ 36.6689, 39.5893,  
44.5813

147.9809,  
158.2431, 176.0001

■ 25.1237, 27.2185,  
30.7872

183.5180,  
196.0246, 217.7033

■ 16.2985, 17.7374,  
20.1798

224.3326,  
239.3865, 265.5230

■ 9.8278, 10.7616,  
12.3404

270.7899,  
288.7134, 319.8775

■ 5.3463, 5.9068,  
6.8506

323.2553,

■ 2.4887, 2.7885,

344.3895, 381.1856

3.2918

382.0942,  
406.7992, 449.8658

■ 0.8896, 1.0223,  
1.2455

■ 0.0000, 0.0000,  
0.0165

■ 69.3804, 74.5377,  
83.4035

■ 69.3804, 74.5377,  
83.4035

■ 62.5766, 70.2072,  
82.9274

■ 77.1217, 79.3656,  
83.9285

■ 56.6661, 66.3450,  
82.4934


■ 83.4349, 83.4652,  
84.3871


■ 51.6106, 62.9335,  
82.1014


■ 84.0109, 84.6172,  
84.5791


■ 47.3667, 59.9503,  
81.7492


■ 84.5937, 85.7828,  
84.7733


 43.8871, 57.3709,  
81.4348


 85.1832, 86.9619,  
84.9699


 41.1195, 55.1683,  
81.1555


 85.7796, 88.1547,  
85.1687


 39.0050, 53.3121,  
80.9087

 86.3829, 89.3612,  
85.3697

 37.4754, 51.7672,  
80.6911

 86.9930, 90.5814,  
85.5731

 36.4469, 50.4903,  
80.4988

 87.6099, 91.8153,  
85.7788

# Harmonies

## Analogous

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



69.1926, 74.5377, 80.9722



69.3804, 74.5377, 83.4035



69.9599, 74.5377, 85.2656

# Triad

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



69.3804, 74.5377, 83.4035



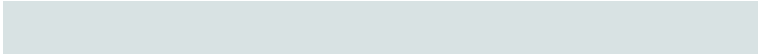
72.2657, 74.5377, 83.7335



70.9111, 74.5377, 76.4797

# Complementary

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



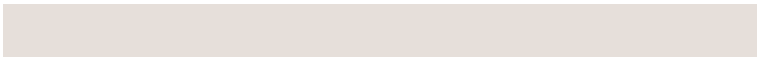
69.3804, 74.5377, 83.4035



68.8863, 70.9138, 75.0240

# Split Complementary

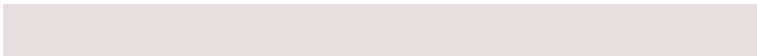
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.7392, 74.5377, 77.1862



69.3804, 74.5377, 83.4035



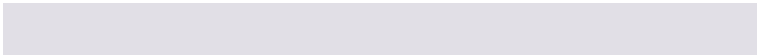
72.5252, 74.5377, 81.3459

# Square

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



69.3804, 74.5377, 83.4035



71.6253, 74.5377, 85.4589



72.3318, 74.5377, 78.9549



70.0720, 74.5377, 77.0056

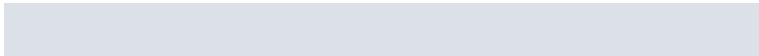


# Rectangle

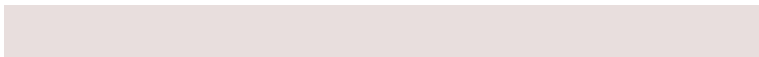
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.3804, 74.5377, 83.4035



70.4928, 74.5377, 85.9161



72.3318, 74.5377, 78.9549



71.2000, 74.5377, 76.5806

# Sweetspot

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



69.3825, 74.5409, 83.4051



94.0444, 99.3723, 108.8318



68.3027, 74.5437, 76.3784



20.1400, 21.2764, 23.2952



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

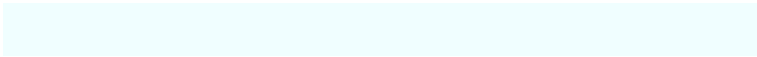


# Same Dimension

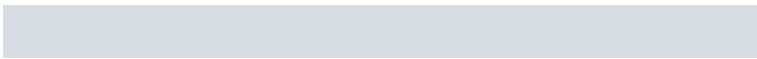
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.3825, 74.5409, 83.4051



89.2029, 96.3317, 108.5001



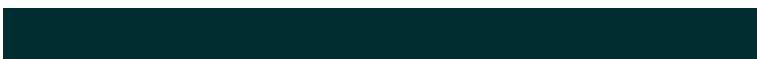
67.9318, 71.6394, 82.9216



15.1295, 16.3801, 18.5086



21.0650, 29.1921, 46.9076



1.5895, 2.2229, 3.4772



# Inverse Universe

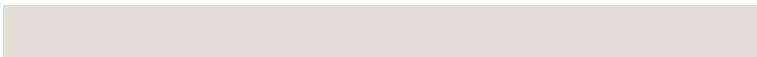
The Inverse Universe completely reimagines the original color for something new.



69.9635, 70.9350, 81.9596



90.1395, 90.5347, 106.1664



70.3065, 73.7541, 75.4974



15.3042, 15.2999, 18.0728



25.0261, 12.1447, 35.3622

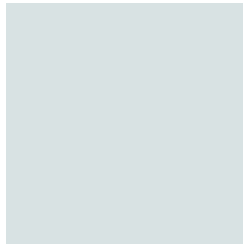


1.8659, 0.9041, 2.7004



# Previews

## White Background



This preview shows how the XYZ color 69.3804, 74.5377, 83.4035 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

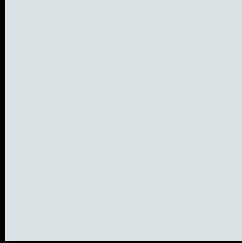
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.3804, 74.5377, 83.4035 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

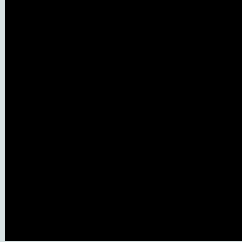
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

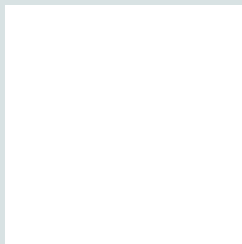
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 69.3804, 74.5377, 83.4035**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.3804, 74.5377, 83.4035.



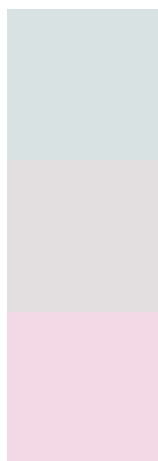
This preview shows how white text looks on a background with the XYZ color 69.3804, 74.5377,



# 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

69.3804, 74.5377, 83.4035

### Protanopia

71.6568, 74.5425, 81.8456

### Deuteranopia

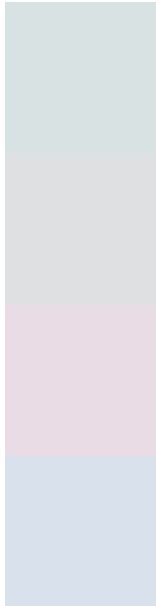
75.9179, 74.3375, 84.4760



## Tritanopia

71.4463, 74.5676, 93.8465

# Trichromacy



## Original Color

69.3804, 74.5377, 83.4035

## Protanomaly

70.8145, 74.4903, 82.5972

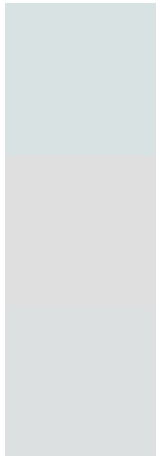
## Deuteranomaly

73.2011, 74.1115, 83.8456

## Tritanomaly

70.6808, 74.6583, 90.0421

# Monochromacy



## Original Color

69.3804, 74.5377, 83.4035

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

69.6254, 73.9088, 81.1172

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.3804, 74.5377, 83.4035 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, 226, 227) looks like.

```
.text, #text, p{  
    color:rgb(216, 226, 227)  
}
```

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, 226, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 226, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 69.3804, 74.5377, 83.4035 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, 226, 227) }
```



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

```
.border{ border-color:rgb(216, 226, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 226, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 226, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 226, 227); box-shadow:4px 4px 4px 4px rgb(216, 226, 227) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.3804, 74.5377, 83.4035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 226, 227) }
```

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

```
.background{ background-color: rgb(216,  
226, 227) }
```

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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