

# Converting Colors

XYZ(70.4499, 75.2267, 85.3024)

Have a look what the booklet for  
XYZ(70.4499, 75.2267, 85.3024)  
contains.

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# Color

**XYZ(70.3927, 75.0113,  
85.6314)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DAE2E6
RGB	218, 226, 230
RGB Percent	85%, 89%, 90%
CMY	0.1451, 0.1137, 0.0980
CMYK	0.05, 0.02, 0.00, 0.10
HSL	200°, 19%, 88%
HSV	200°, 5%, 90%
XYZ	70.3927, 75.0113, 85.6314
YIQ	224.0640, -6.0520, -0.4520

# Conversions

## Conversions Part 2

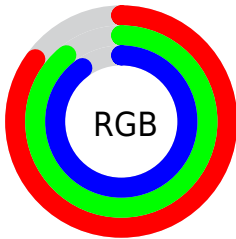
Format	Color
R <sub>Y</sub> B	218, 223, 230
Decimal	14344934
CIE Lab	89.40, -1.93, -2.89
CIE LCh	89, 3.472, 236.294
Yxy	75.0113, 0.3047, 0.3247
Android (android.graphics.Color)	4292535014 (0xFFDAE2E6)
YUV	224.0640, 2.9264, -5.3181
Hunter-Lab	86.6091, -6.4875, 2.0056

# Details

The XYZ color **70.3927, 75.0113, 85.6314** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.4094, 74.1267, 76.8750**, and the grayscale version is **70.8819, 74.5733, 81.2103**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4050, 40.0075, 46.3082** is the 20% darker color. If you saturate the color by 10%, you get **61.9503, 67.6378, 84.6543**, and if you desaturate by 10%, it is **79.8869, 83.0694, 86.6875**.

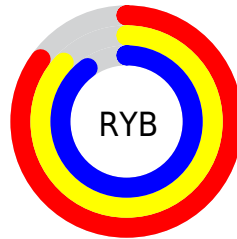
# Distribution



Red (85%)

Green (89%)

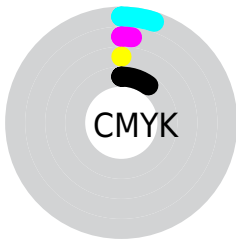
Blue (90%)



Red (85%)

Yellow (87%)

Blue (90%)

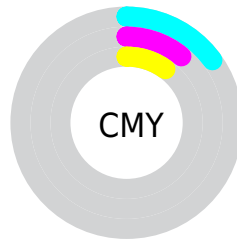


Cyan (5%)

Magenta (2%)

Yellow (0%)

Black (10%)



Cyan (15%)

Magenta (11%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.3927, 75.0113, 85.6314 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 70.3927, 75.0113, 85.6314 by changing the saturation by 10% instead.



■ 70.3927, 75.0113,  
85.6314

■ 70.3927, 75.0113,  
85.6314

451.1726,  
477.9564, 533.9140

■ 52.1275, 55.6221,  
63.8101

118.7918,  
126.3284, 143.1370

■ 37.3314, 39.9001,  
46.0517

149.6564,  
159.0251, 179.6583

■ 25.6390, 27.4606,  
31.9376

185.4516,  
196.9264, 221.9167

■ 16.6851, 17.9195,  
21.0494

226.5426,  
240.4167, 270.3308

■ 10.1041, 10.8922,  
12.9685

273.2949,  
289.8805, 325.3190

■ 5.5308, 5.9944,  
7.2764

326.0737,

■ 2.5999, 2.8417,

345.7021, 387.2999

3.5545

385.2445,  
408.2660, 456.6921

■ 0.9459, 1.0496,  
1.3843

■ 0.0000, 0.0000,  
0.1294

■ 70.3927, 75.0113,  
85.6314

■ 70.3927, 75.0113,  
85.6314

■ 61.9503, 67.6378,  
84.6543

■ 79.8869, 83.0694,  
86.6875

■ 54.5130, 60.9166,  
83.7490

■ 87.0746, 90.0762,  
87.6611

■ 48.0399, 54.8271,  
82.9147

■ 89.3940, 94.7149,  
88.4343

■ 42.4848, 49.3436,  
82.1491

■ 91.2831, 98.4933,  
89.0640

■ 37.7974, 44.4381,  
81.4493

■ 33.9222, 40.0802,  
80.8124

■ 30.7969, 36.2358,  
80.2351

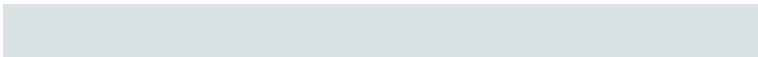
■ 28.3489, 32.8654,  
79.7135

■ 26.4896, 29.9213,  
79.2433

# Harmonies

## Analogous

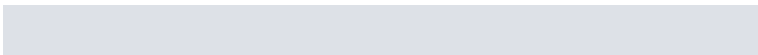
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.8405, 75.0113, 83.7660



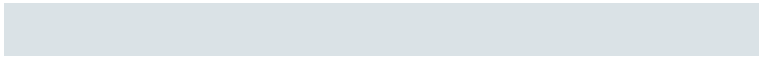
70.3927, 75.0113, 85.6314



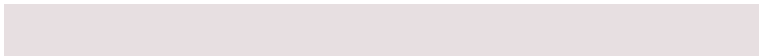
71.1904, 75.0113, 86.4360

# Triad

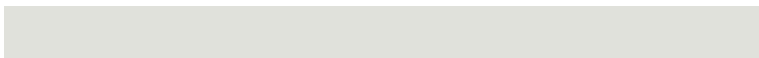
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.3927, 75.0113, 85.6314



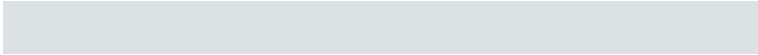
72.9397, 75.0113, 81.9775



70.5743, 75.0113, 77.5488

# Complementary

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



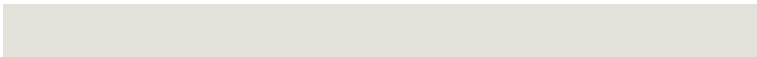
70.3927, 75.0113, 85.6314



71.4094, 74.1267, 76.8750

# Split Complementary

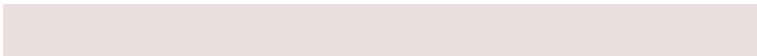
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.4017, 75.0113, 77.0913



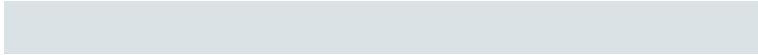
70.3927, 75.0113, 85.6314



72.7716, 75.0113, 79.6182

# Square

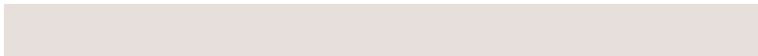
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.3927, 75.0113, 85.6314



72.6645, 75.0113, 84.3002



72.2070, 75.0113, 77.8415



69.9447, 75.0113, 79.1040

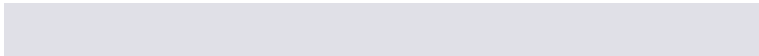


# Rectangle

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



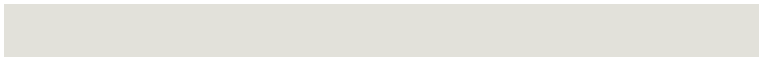
70.3927, 75.0113, 85.6314



71.7556, 75.0113, 86.2510



72.2070, 75.0113, 77.8415



70.8383, 75.0113, 77.2629

# Sweetspot

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



70.3949, 75.0145, 85.6330



92.6591, 97.9666, 108.6335



70.3694, 76.7634, 80.0759



19.8579, 20.9903, 23.2549



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

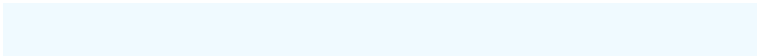


# Same Dimension

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



70.3949, 75.0145, 85.6330



88.0394, 94.0048, 108.1123



68.8432, 71.9112, 85.1158



14.9121, 15.9453, 18.4361



14.6895, 16.4411, 44.7824



1.1700, 1.3840, 3.3374



# Inverse Universe

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



71.4336, 72.4582, 82.1761



89.5522, 90.2998, 103.0738



72.9775, 77.2629, 77.3977



15.1945, 15.2560, 17.4950



21.8081, 10.8575, 18.4162

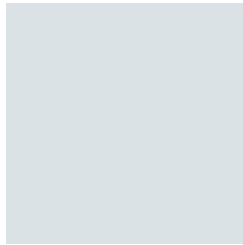


1.6542, 0.8194, 1.5855



# Previews

## White Background



This preview shows how the XYZ color 70.3927, 75.0113, 85.6314 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

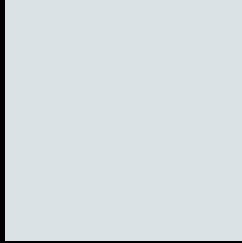
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.3927, 75.0113, 85.6314 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

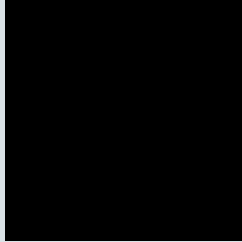
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

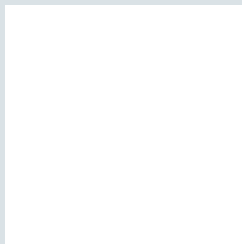
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 70.3927, 75.0113, 85.6314

## Background



This preview shows how black text looks on a background with the XYZ color 70.3927, 75.0113, 85.6314.



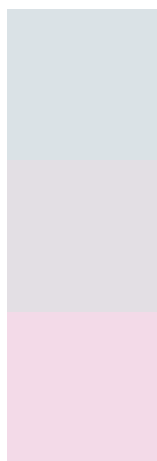
This preview shows how white text looks on a background with the XYZ color 70.3927, 75.0113,



# 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

70.3927, 75.0113, 85.6314

### Protanopia

72.0698, 74.7077, 84.0203

### Deuteranopia

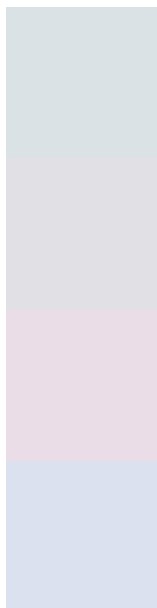
76.5990, 75.0237, 86.7877



## Tritanopia

72.1979, 74.9378, 94.6636

# Trichromacy



## Original Color

70.3927, 75.0113, 85.6314

## Protanomaly

71.5390, 74.8157, 84.7991

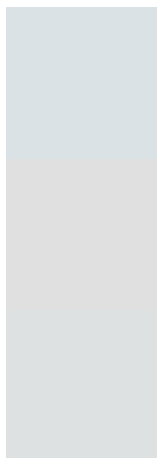
## Deuteranomaly

74.2119, 74.9748, 86.1615

## Tritanomaly

71.5712, 75.0835, 91.6093

# Monochromacy



## Original Color

70.3927, 75.0113, 85.6314

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

70.7769, 74.8710, 82.6727

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.3927, 75.0113, 85.6314 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(218, 226, 230) looks like.

```
.text, #text, p{  
    color:rgb(218, 226, 230)  
}
```

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(218, 226, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 226, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 70.3927, 75.0113, 85.6314 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(218, 226, 230) }
```



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

```
.border{ border-color:rgb(218, 226, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 226, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 226, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 226, 230);  
box-shadow:4px 4px 4px 4px rgb(218, 226,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.3927, 75.0113, 85.6314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 226, 230) }
```

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

```
.background{ background-color: rgb(218,  
226, 230) }
```

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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