

Converting Colors

XYZ(70.2004, 75.0143, 85.9636)

Have a look what the booklet for
XYZ(70.2004, 75.0143, 85.9636)
contains.

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Color

**XYZ(70.0946, 74.8576,
85.6175)**

Conversions

Conversions Part 1

Format	Color
Hex	D9E2E6
RGB	217, 226, 230
RGB Percent	85%, 89%, 90%
CMY	0.1490, 0.1137, 0.0980
CMYK	0.06, 0.02, 0.00, 0.10
HSL	198°, 21%, 88%
HSV	198°, 6%, 90%
XYZ	70.0946, 74.8576, 85.6175
YIQ	223.7650, -6.6480, -0.6640

Conversions

Conversions Part 2

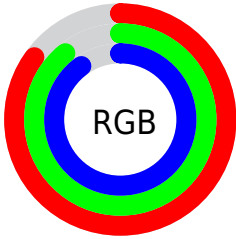
Format	Color
R_{YB}	217, 222, 230
Decimal	14279398
CIE _{Lab}	89.33, -2.26, -3.00
CIE _{LCh}	89, 3.756, 233.084
Yxy	74.8576, 0.3040, 0.3247
Android (android.graphics.Color)	4292469478 (0xFFD9E2E6)
YUV	223.7650, 3.0739, -5.9329
Hunter-Lab	86.5203, -6.7983, 1.8929

Details

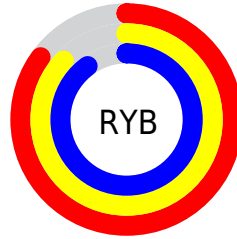
The XYZ color **70.0946, 74.8576, 85.6175** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.0143, 73.5452, 76.0997**, and the grayscale version is **70.6678, 74.3480, 80.9650**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2011, 39.9023, 46.2987** is the 20% darker color. If you saturate the color by 10%, you get **61.8461, 67.8116, 84.6934**, and if you desaturate by 10%, it is **79.3795, 82.5598, 86.6159**.

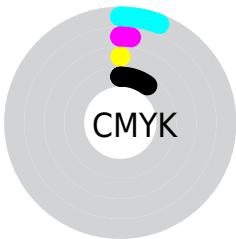
Distribution



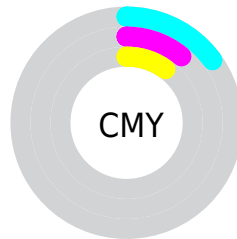
- Red (85%)
- Green (89%)
- Blue (90%)



- Red (85%)
- Yellow (87%)
- Blue (90%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (10%)



- Cyan (15%)
- Magenta (11%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0946, 74.8576, 85.6175 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 70.0946, 74.8576, 85.6175 by changing the saturation by 10% instead.

■ 70.0946, 74.8576,
85.6175

■ 70.0946, 74.8576,
85.6175

450.1433,
477.4280, 533.8669

■ 51.8835, 55.4962,
63.7986

118.3692,
126.1108, 143.1174

■ 37.1361, 39.7992,
46.0425

149.1634,
158.7714, 179.6355

■ 25.4871, 27.3820,
31.9304

184.8827,
196.6338, 221.8905

■ 16.5710, 17.8603,
21.0440

225.8925,
240.0826, 270.3009

■ 10.0225, 10.8498,
12.9646

272.5581,
289.5019, 325.2852

■ 5.4763, 5.9659,
7.2737

325.2449,

■ 2.5669, 2.8244,

345.2764, 387.2619

3.5528

384.3182,
407.7903, 456.6496

■ 0.9291, 1.0407,
1.3834

■ 0.0000, 0.0000,
0.1287

■ 70.0946, 74.8576,
85.6175

■ 70.0946, 74.8576,
85.6175

■ 61.8461, 67.8116,
84.6934

■ 79.3795, 82.5598,
86.6159

■ 54.5874, 61.3901,
83.8365

■ 86.7265, 89.3799,
87.5451

■ 48.2779, 55.5727,
83.0462

■ 88.8505, 93.6280,
88.2532

■ 42.8713, 50.3344,
82.3200

■ 91.0566, 98.0402,
88.9885

■ 38.3175, 45.6476,
81.6554

■ 91.2831, 98.4933,
89.0640

■ 34.5610, 41.4823,
81.0494

■ 31.5394, 37.8047,
80.4988

■ 29.1800, 34.5759,
79.9999

■ 27.3935, 31.7481,
79.5483

Harmonies

Analogous

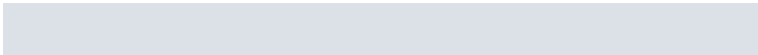
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.5379, 74.8576, 83.5060



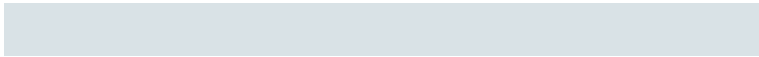
70.0946, 74.8576, 85.6175



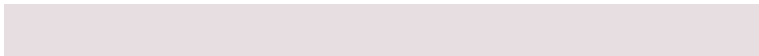
70.9375, 74.8576, 86.6311

Triad

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



70.0946, 74.8576, 85.6175



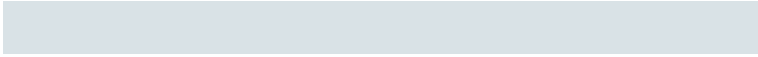
72.9172, 74.8576, 82.1176



70.4598, 74.8576, 76.9432

Complementary

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



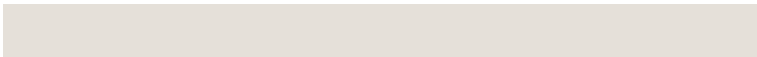
70.0946, 74.8576, 85.6175



71.0143, 73.5452, 76.0997

Split Complementary

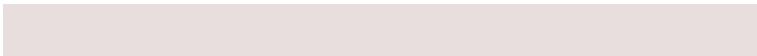
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.3627, 74.8576, 76.5895



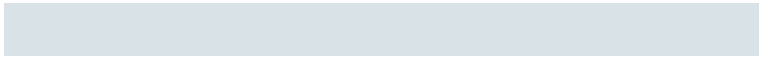
70.0946, 74.8576, 85.6175



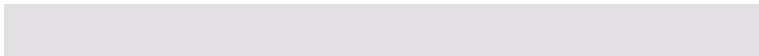
72.7866, 74.8576, 79.5405

Square

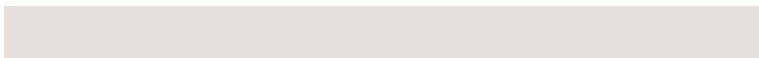
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.0946, 74.8576, 85.6175



72.5710, 74.8576, 84.5825



72.2157, 74.8576, 77.5306



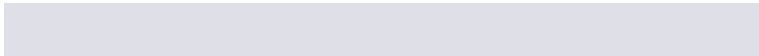
69.7475, 74.8576, 78.5074

Rectangle

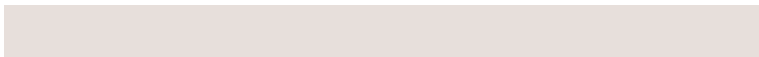
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



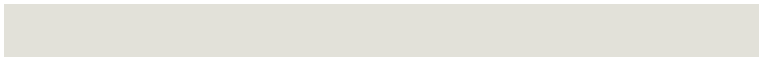
70.0946, 74.8576, 85.6175



71.5504, 74.8576, 86.5327



72.2157, 74.8576, 77.5306



70.7509, 74.8576, 76.6801

Sweetspot

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



70.0967, 74.8608, 85.6191



92.7004, 98.0492, 108.6473



69.9512, 76.5617, 79.4291



19.8663, 21.0071, 23.2577



0.0000, 0.0000, 0.0000



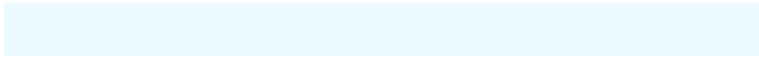
20.3446, 21.4041, 23.3091

Same Dimension

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



70.0967, 74.8608, 85.6191



87.0595, 93.3189, 108.0316



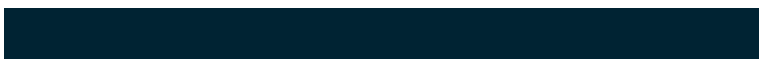
68.3878, 71.4429, 85.0495



14.7592, 15.8424, 18.4243



15.2468, 17.5558, 44.9682



1.2081, 1.4601, 3.3501

Inverse Universe

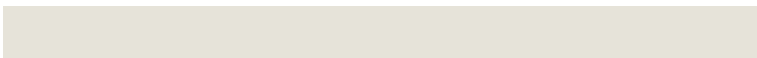
The Inverse Universe completely reimagines the original color for something new.



71.1752, 71.9412, 82.0899



88.7466, 88.7868, 102.5023



72.7373, 76.9913, 76.6741



15.0678, 15.0158, 17.4124



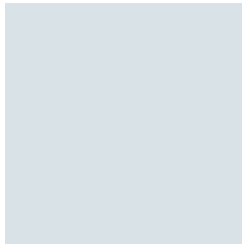
22.0894, 10.9700, 19.8976



1.6734, 0.8271, 1.6867

Previews

White Background



This preview shows how the XYZ color 70.0946, 74.8576, 85.6175 looks on a white background.

Color Contrast Check

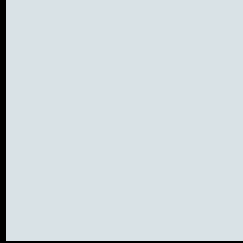
Large Text (above 18pt) WCAG AA × Fail

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 70.0946, 74.8576, 85.6175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

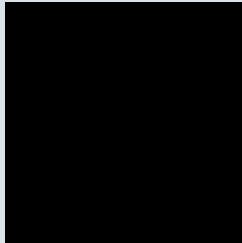
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

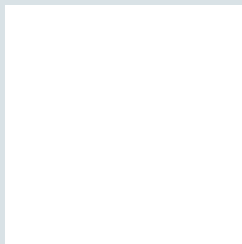
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0946, 74.8576, 85.6175

Background



This preview shows how black text looks on a background with the XYZ color 70.0946, 74.8576, 85.6175.



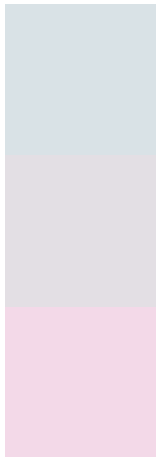
This preview shows how white text looks on a background with the XYZ color 70.0946, 74.8576,

85.6175.

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

70.0946, 74.8576, 85.6175

Protanopia

72.0698, 74.7077, 84.0203

Deuteranopia

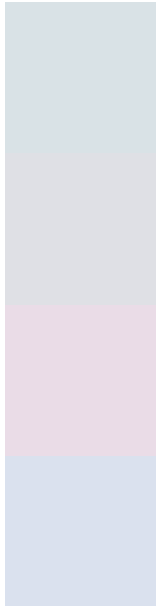
76.3405, 74.5066, 86.7016



Tritanopia

71.8961, 74.7822, 94.6495

Trichromacy



Original Color

70.0946, 74.8576, 85.6175

Protanomaly

71.2299, 74.6564, 84.7847

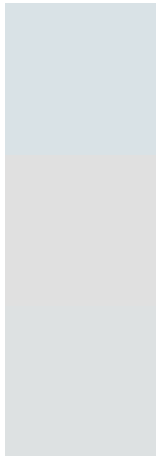
Deuteranomaly

73.9487, 74.4483, 86.0738

Tritanomaly

71.2713, 74.9289, 91.5952

Monochromacy



Original Color

70.0946, 74.8576, 85.6175

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.4715, 74.7136, 82.6584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0946, 74.8576, 85.6175 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(217, 226, 230) looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 226, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 226, 230) }
```

Border

The CSS property to change the border of an element to XYZ 70.0946, 74.8576, 85.6175 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(217, 226, 230) }
```


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

```
.border{ border-color:rgb(217, 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(217, 226, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 226, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 226, 230);  
box-shadow:4px 4px 4px 4px rgb(217, 226,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0946, 74.8576, 85.6175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 226, 230) }
```

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

```
.background{ background-color: rgb(217,  
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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