

Converting Colors

XYZ(70.9899, 75.6020, 89.2355)

Have a look what the booklet for
XYZ(70.9899, 75.6020, 89.2355)
contains.

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Color

**XYZ(71.0798, 75.6880,
89.4602)**

Conversions

Conversions Part 1

Format	Color
Hex	D9E3EB
RGB	217, 227, 235
RGB Percent	85%, 89%, 92%
CMY	0.1490, 0.1098, 0.0784
CMYK	0.08, 0.03, 0.00, 0.08
HSL	207°, 31%, 89%
HSV	207°, 8%, 92%
XYZ	71.0798, 75.6880, 89.4602
YIQ	224.9220, -8.5280, 0.3680

Conversions

Conversions Part 2

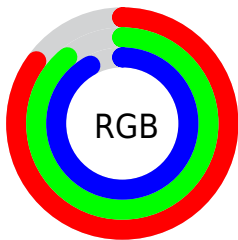
Format	Color
R _Y B	217, 223, 235
Decimal	14279659
CIE Lab	89.71, -1.82, -5.06
CIE LCh	90, 5.373, 250.182
Yxy	75.6880, 0.3009, 0.3204
Android (android.graphics.Color)	4292469739 (0xFFD9E3EB)
YUV	224.9220, 4.9685, -6.9476
Hunter-Lab	86.9989, -6.4099, -0.0682

Details

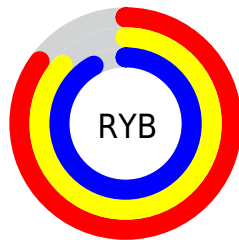
The XYZ color **71.0798, 75.6880, 89.4602** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.7110, 76.5220, 76.5324**, and the grayscale version is **71.4837, 75.2064, 81.8997**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7895, 40.4411, 48.4620** is the 20% darker color. If you saturate the color by 10%, you get **61.8169, 66.8033, 88.2347**, and if you desaturate by 10%, it is **81.5149, 85.4382, 90.7934**.

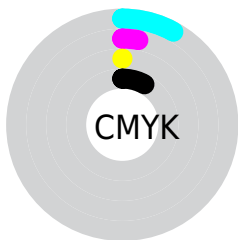
Distribution



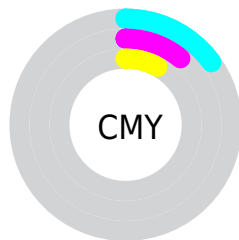
- Red (85%)
- Green (89%)
- Blue (92%)



- Red (85%)
- Yellow (87%)
- Blue (92%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)



- Cyan (15%)
- Magenta (11%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0798, 75.6880, 89.4602 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 71.0798, 75.6880, 89.4602 by changing the saturation by 10% instead.

■ 71.0798, 75.6880,
89.4602

■ 71.0798, 75.6880,
89.4602

453.5398,
480.2790, 546.7981

■ 52.6901, 56.1767,
66.9618

119.7652,
127.2858, 148.5173

■ 37.7819, 40.3446,
48.5922

150.7917,
160.1411, 185.9132

■ 25.9899, 27.8073,
33.9328

186.7611,
198.2131, 229.1119

■ 16.9487, 18.1805,
22.5650

228.0388,
241.8864, 278.5321

■ 10.2930, 11.0796,
14.0704

274.9902,
291.5452, 334.5922

■ 5.6574, 6.1204,
8.0303

327.9806,

■ 2.6766, 2.9184,

347.5740, 397.7109

4.0263

387.3753,
410.3571, 468.3067

■ 0.9851, 1.0893,
1.6398

■ 0.0000, 0.0000,
0.3190

■ 71.0798, 75.6880,
89.4602

■ 71.0798, 75.6880,
89.4602

■ 61.8169, 66.8033,
88.2347

■ 81.5149, 85.4382,
90.7934

■ 53.6748, 58.7470,
87.1088

■ 89.7679, 94.3228,
92.0733

■ 46.6078, 51.4927,
86.0810

■ 91.9956, 98.7782,
92.8159

■ 40.5642, 45.0092,
85.1481

■ 35.4878, 39.2626,
84.3065

■ 31.3167, 34.2157,
83.5522

■ 27.9805, 29.8272,
82.8809

■ 25.3973, 26.0494,
82.2879

■ 23.4577, 22.8202,
81.7668

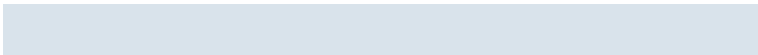
Harmonies

Analogous

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



70.0123, 75.6880, 87.2041



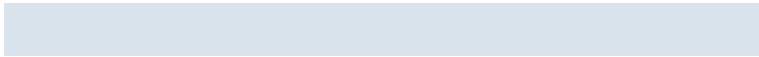
71.0798, 75.6880, 89.4602



72.3900, 75.6880, 89.7953

Triad

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



71.0798, 75.6880, 89.4602



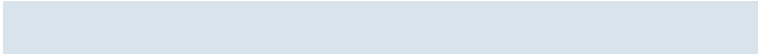
74.4732, 75.6880, 81.1296



70.3096, 75.6880, 76.9674

Complementary

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



71.0798, 75.6880, 89.4602



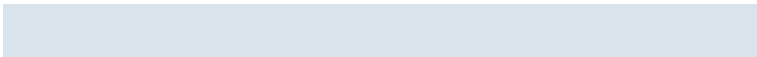
73.7110, 76.5220, 76.5324

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.



71.4902, 75.6880, 75.4437



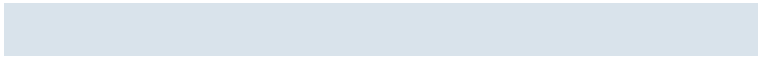
71.0798, 75.6880, 89.4602



73.9011, 75.6880, 77.7975

Square

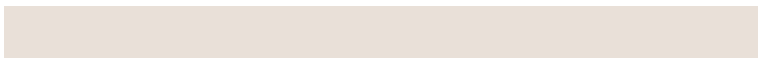
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.0798, 75.6880, 89.4602



74.3601, 75.6880, 84.9072



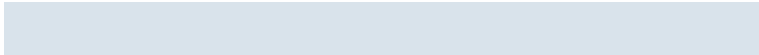
72.8054, 75.6880, 75.7429



69.5714, 75.6880, 79.9649

Rectangle

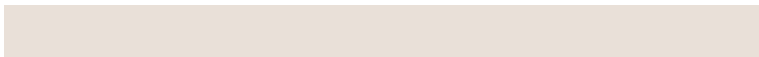
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.0798, 75.6880, 89.4602



73.2263, 75.6880, 88.8738



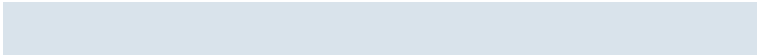
72.8054, 75.6880, 75.7429



70.6673, 75.6880, 76.2701

Sweetspot

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



71.0820, 75.6912, 89.4619



92.4799, 97.6084, 108.5738



71.8883, 79.5950, 82.6670



19.8215, 20.9174, 23.2427



0.0000, 0.0000, 0.0000



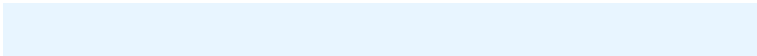
20.3446, 21.4041, 23.3091

Same Dimension

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



71.0820, 75.6912, 89.4619



83.9381, 89.5705, 107.4726



68.7354, 70.9980, 88.6797



14.9254, 15.9372, 19.2118



12.9620, 12.5710, 45.4862



1.1135, 1.1785, 3.6037

Inverse Universe

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



72.9407, 72.8356, 82.8909



86.5622, 85.5820, 98.1861



76.1525, 81.4050, 77.3462



15.4159, 15.1942, 17.4754



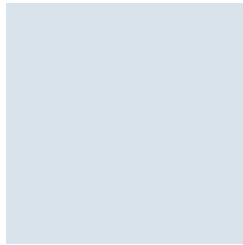
21.3979, 10.7619, 13.1627



1.7286, 0.8644, 1.2880

Previews

White Background



This preview shows how the XYZ color 71.0798, 75.6880, 89.4602 looks on a white background.

Color Contrast Check

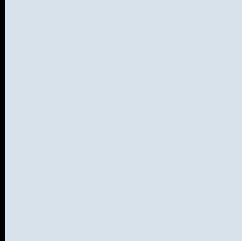
Large Text (above 18pt) WCAG AA × Fail

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 71.0798, 75.6880, 89.4602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

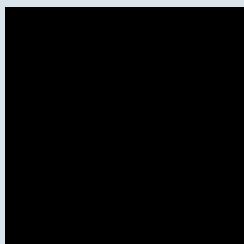
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

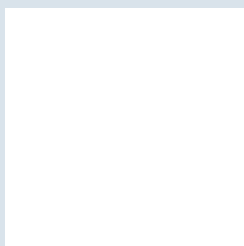
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.0798, 75.6880, 89.4602

Background



This preview shows how black text looks on a background with the XYZ color 71.0798, 75.6880, 89.4602.



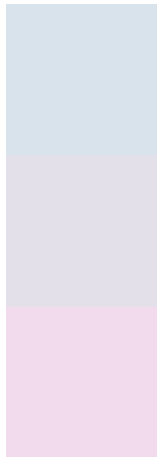
This preview shows how white text looks on a background with the XYZ color 71.0798, 75.6880,

89.4602.

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

71.0798, 75.6880, 89.4602

Protanopia

73.0422, 75.5254, 87.8189

Deuteranopia

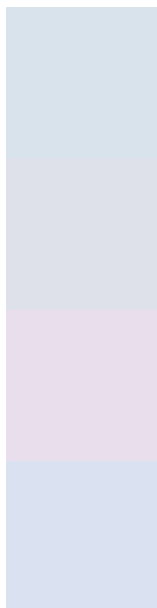
77.2355, 75.6547, 90.6528



Tritanopia

72.4389, 75.8298, 96.4066

Trichromacy



Original Color

71.0798, 75.6880, 89.4602

Protanomaly

72.2079, 75.4789, 88.6050

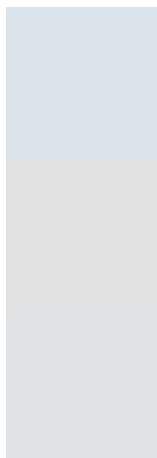
Deuteranomaly

74.8659, 75.6223, 90.0076

Tritanomaly

71.9870, 75.6490, 94.0267

Monochromacy



Original Color

71.0798, 75.6880, 89.4602

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.4634, 75.5795, 84.9505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.0798, 75.6880, 89.4602 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, 227, 235)` looks like.

```
.text, #text, p{  
    color:rgb(217, 227, 235)  
}
```

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, 227, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 227, 235) }
```

Border

The CSS property to change the border of an element to XYZ 71.0798, 75.6880, 89.4602 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, 227, 235) }
```


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

```
.border{ border-color:rgb(217, 227, 235) }
```

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

Here you see how a box with a 4 pixel rgb(217, 227, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 227, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 227, 235);  
box-shadow:4px 4px 4px 4px rgb(217, 227,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 71.0798, 75.6880, 89.4602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 227, 235) }
```

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

```
.background{ background-color: rgb(217,  
227, 235) }
```

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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