

Converting Colors

XYZ(70.5428, 74.9984, 89.4670)

Have a look what the booklet for
XYZ(70.5428, 74.9984, 89.4670)
contains.

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Color

**XYZ(70.5107, 74.9898,
89.3554)**

Conversions

Conversions Part 1

Format	Color
Hex	D8E2EB
RGB	216, 226, 235
RGB Percent	85%, 89%, 92%
CMY	0.1529, 0.1137, 0.0784
CMYK	0.08, 0.04, 0.00, 0.08
HSL	208°, 32%, 88%
HSV	208°, 8%, 92%
XYZ	70.5107, 74.9898, 89.3554
YIQ	224.0360, -8.8490, 0.6790

Conversions

Conversions Part 2

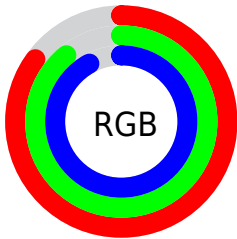
Format	Color
R _Y B	216, 223, 235
Decimal	14213867
CIE Lab	89.39, -1.63, -5.54
CIE LCh	89, 5.779, 253.609
Yxy	74.9898, 0.3002, 0.3193
Android (android.graphics.Color)	4292403947 (0xFFD8E2EB)
YUV	224.0360, 5.4053, -7.0476
Hunter-Lab	86.5967, -6.2018, -0.5612

Details

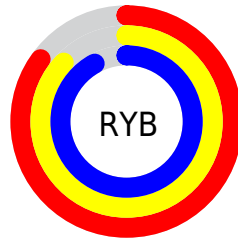
The XYZ color **70.5107, 74.9898, 89.3554** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.5812, 76.4700, 75.8492**, and the grayscale version is **70.8462, 74.5358, 81.1694**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3975, 39.9576, 48.3893** is the 20% darker color. If you saturate the color by 10%, you get **61.1304, 65.8088, 88.0789**, and if you desaturate by 10%, it is **81.0847, 85.0817, 90.7472**.

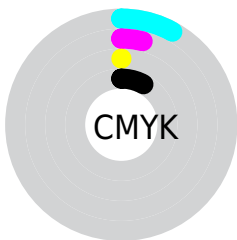
Distribution



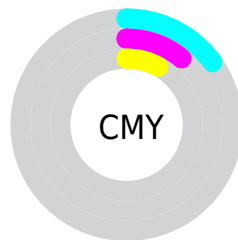
- Red (85%)
- Green (89%)
- Blue (92%)



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



- Cyan (8%)
- Magenta (4%)
- Yellow (0%)
- Black (8%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5107, 74.9898, 89.3554 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 70.5107, 74.9898, 89.3554 by changing the saturation by 10% instead.

■ 70.5107, 74.9898,
89.3554

■ 70.5107, 74.9898,
89.3554

451.5796,
477.8825, 546.4477

■ 52.2241, 55.6045,
66.8754

118.9591,
126.2979, 148.3704

■ 37.4087, 39.8859,
48.5224

149.8515,
158.9896, 185.7425

■ 25.6992, 27.4496,
33.8779

185.6767,
196.8855, 228.9157

■ 16.7303, 17.9112,
22.5232

226.7998,
240.3700, 278.3086

■ 10.1365, 10.8862,
14.0399

273.5863,
289.8276, 334.3397

■ 5.5525, 5.9904,
8.0093

326.4015,

■ 2.6130, 2.8392,

345.6426, 397.4275

4.0131

385.6109,
408.1994, 467.9907

■ 0.9526, 1.0484,
1.6325

■ 0.0000, 0.0000,
0.3139

■ 70.5107, 74.9898,
89.3554

■ 70.5107, 74.9898,
89.3554

■ 61.1304, 65.8088,
88.0789

■ 81.0847, 85.0817,
90.7472

■ 52.8916, 57.5004,
86.9094

■ 89.8831, 94.5532,
92.1116

■ 45.7478, 50.0368,
85.8453

■ 91.9956, 98.7782,
92.8158

■ 39.6465, 43.3852,
84.8830

■ 34.5305, 37.5102,
84.0186

■ 30.3367, 32.3729,
83.2481

■ 26.9937, 27.9300,
82.5667

■ 24.4179, 24.1320,
81.9694

■ 22.4945, 20.9123,
81.4493

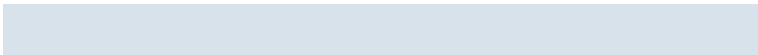
Harmonies

Analogous

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



69.3240, 74.9898, 87.1433



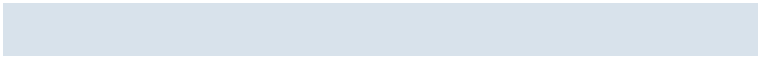
70.5107, 74.9898, 89.3554



71.9175, 74.9898, 89.4594

Triad

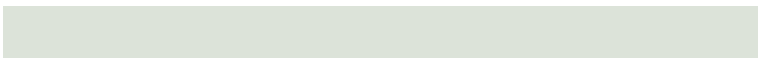
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.5107, 74.9898, 89.3554



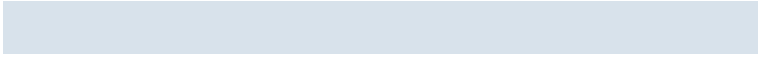
73.9522, 74.9898, 79.8317



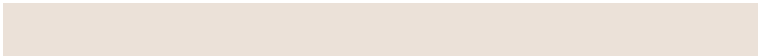
69.4157, 74.9898, 76.1392

Complementary

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



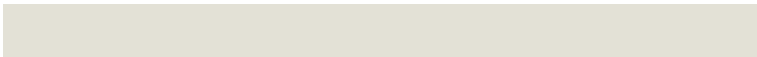
70.5107, 74.9898, 89.3554



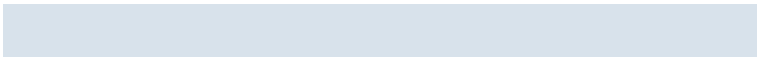
73.5812, 76.4700, 75.8492

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.



70.6374, 74.9898, 74.3110



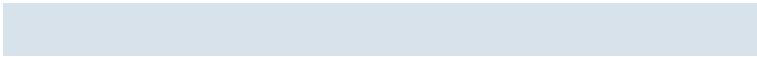
70.5107, 74.9898, 89.3554



73.2634, 74.9898, 76.3948

Square

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



70.5107, 74.9898, 89.3554



73.9172, 74.9898, 83.8693



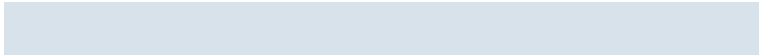
72.0459, 74.9898, 74.4030



68.6976, 74.9898, 79.4724

Rectangle

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



70.5107, 74.9898, 89.3554



72.7919, 74.9898, 88.3127



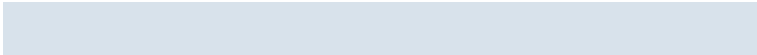
72.0459, 74.9898, 74.4030



69.7804, 74.9898, 75.3333

Sweetspot

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



70.5129, 74.9930, 89.3571



92.4329, 97.5144, 108.5582



71.6010, 79.4458, 82.7009



19.8119, 20.8982, 23.2395



0.0000, 0.0000, 0.0000



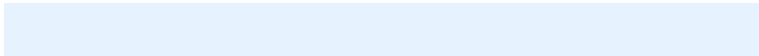
20.3446, 21.4041, 23.3091

Same Dimension

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



70.5129, 74.9930, 89.3571



82.5512, 88.0170, 107.2458



68.0341, 70.0355, 88.5308



14.8876, 15.8616, 19.1992



12.4668, 11.5806, 45.3212



1.0752, 1.1018, 3.5909

Inverse Universe

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



72.5460, 72.2665, 82.0804



85.5643, 84.0423, 96.4471



76.1841, 81.6759, 76.7169



15.3968, 15.1866, 17.3749



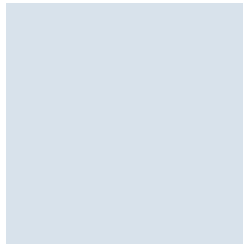
21.1479, 10.6619, 11.8464



1.7092, 0.8566, 1.1860

Previews

White Background



This preview shows how the XYZ color 70.5107, 74.9898, 89.3554 looks on a white background.

Color Contrast Check

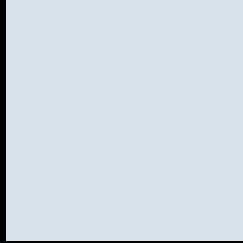
Large Text (above 18pt) WCAG AA × Fail

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 70.5107, 74.9898, 89.3554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

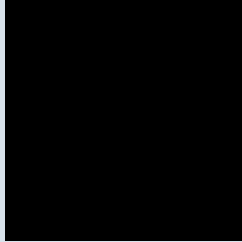
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

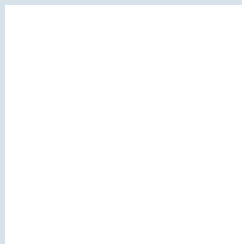
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.5107, 74.9898, 89.3554

Background



This preview shows how black text looks on a background with the XYZ color 70.5107, 74.9898, 89.3554.



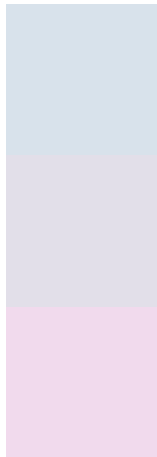
This preview shows how white text looks on a background with the XYZ color 70.5107, 74.9898,

89.3554.

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

70.5107, 74.9898, 89.3554

Protanopia

72.4597, 74.8273, 87.7149

Deuteranopia

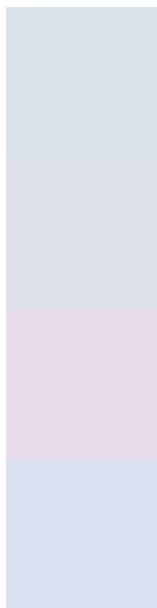
76.6331, 74.9580, 90.5501



Tritanopia

71.7181, 75.0732, 95.5046

Trichromacy



Original Color

70.5107, 74.9898, 89.3554

Protanomaly

71.6311, 74.7814, 88.5008

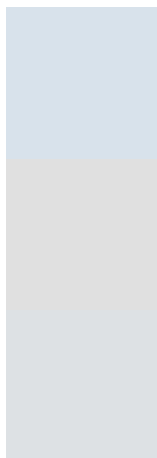
Deuteranomaly

74.2755, 74.9248, 89.9041

Tritanomaly

71.2687, 74.8934, 93.1377

Monochromacy



Original Color

70.5107, 74.9898, 89.3554

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.7476, 74.8240, 84.1125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5107, 74.9898, 89.3554 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, 235) looks like.

```
.text, #text, p{  
    color:rgb(216, 226, 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(216, 226, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 226, 235) }
```

Border

The CSS property to change the border of an element to XYZ 70.5107, 74.9898, 89.3554 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, 235) }
```


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

```
.border{ border-color:rgb(216, 226, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 226, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 226, 235);  
box-shadow:4px 4px 4px 4px rgb(216, 226,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5107, 74.9898, 89.3554 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, 235) }
```

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

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