

Converting Colors

XYZ(85.4701, 89.7434,
106.7232)

Have a look what the booklet for
XYZ(85.4701, 89.7434, 106.7232)
contains.

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Color

**XYZ(85.1999, 89.4341,
106.5379)**

Conversions

Conversions Part 1

Format	Color
Hex	EEF3FE
RGB	238, 243, 254
RGB Percent	93%, 95%, 100%
CMY	0.0667, 0.0470, 0.0039
CMYK	0.06, 0.04, 0.00, 0.00
HSL	221°, 89%, 96%
HSV	221°, 6%, 100%
XYZ	85.1999, 89.4341, 106.5379
YIQ	242.7590, -6.5110, 2.3610

Conversions

Conversions Part 2

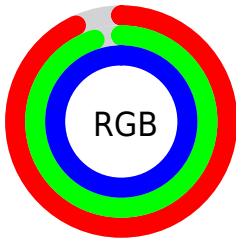
Format	Color
R_{YB}	238, 242, 254
Decimal	15660030
CIE Lab	95.76, 0.37, -5.86
CIE LCh	96, 5.873, 273.602
Yxy	89.4341, 0.3030, 0.3181
Android (android.graphics.Color)	4293850110 (0xFFEEF3FE)
YUV	242.7590, 5.5418, -4.1736
Hunter-Lab	94.5696, -4.6821, -0.5947

Details

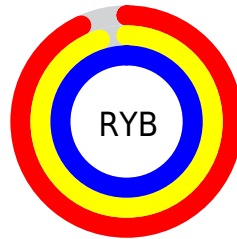
The XYZ color **85.1999, 89.4341, 106.5379** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.1816, 94.9944, 94.4732**, and the grayscale version is **84.9631, 89.3878, 97.3434**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1398, 49.5169, 59.8965** is the 20% darker color. If you saturate the color by 10%, you get **72.2887, 75.3902, 104.5090**, and if you desaturate by 10%, it is **94.8897, 99.9359, 108.0556**.

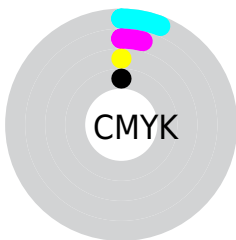
Distribution



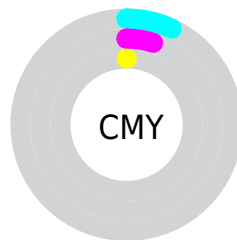
- Red (93%)
- Green (95%)
- Blue (100%)



- Red (93%)
- Yellow (95%)
- Blue (100%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.1999, 89.4341, 106.5379 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 85.1999, 89.4341, 106.5379 by changing the saturation by 10% instead.

85.1999, 89.4341,
106.5379

85.1999, 89.4341,
106.5379

500.7630,
526.1883, 602.3813

64.3296, 67.5114,
81.1245

139.5650,
146.5521, 172.2431

47.1804, 49.5003,
60.1126

173.7906,
182.5161, 213.3720

33.3868, 35.0165,
43.0835

213.1986,
223.9294, 260.5764

22.5836, 23.6756,
29.6187

258.1544,
271.1764, 314.2750

14.4053, 15.0932,
19.2998

309.0234,
324.6413, 374.8862

8.4867, 8.8848,
11.7081

366.1709,

4.4623, 4.6661,

384.7087, 442.8287

6.4251

429.9623,
451.7629, 518.5209

■ 1.9669, 2.0527,
3.0323

■ 0.6153, 0.6378,
1.1112

■ 85.1999, 89.4341,
106.5379

■ 85.1999, 89.4341,
106.5379

■ 72.2887, 75.3902,
104.5090

94.8897, 99.9359,
108.0556

■ 61.0109, 62.9028,
102.6931

■ 51.3011, 51.9193,
101.0848

■ 43.0862, 42.3795,
99.6765

■ 36.2872, 34.2192,
98.4597

■ 30.8174, 27.3686,
97.4257

■ 26.5794, 21.7511,
96.5648

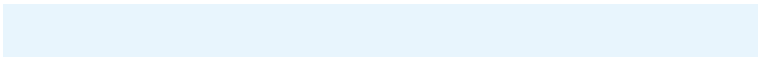
■ 23.4614, 17.2804,
95.8662

■ 21.3267, 13.8554,
95.3176

Harmonies

Analogous

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



83.6296, 89.4341, 105.5737



85.1999, 89.4341, 106.5379



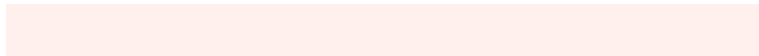
86.7366, 89.4341, 104.9845

Triad

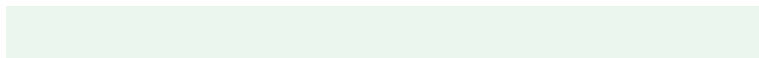
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.1999, 89.4341, 106.5379



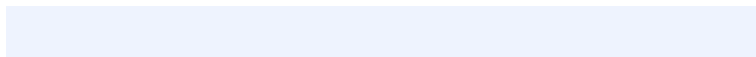
87.6203, 89.4341, 92.5336



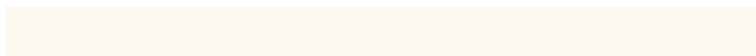
82.2499, 89.4341, 93.4732

Complementary

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



85.1999, 89.4341, 106.5379



90.1816, 94.9944, 94.4732

Split Complementary

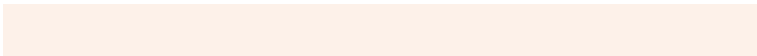
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2954, 89.4341, 90.1491



85.1999, 89.4341, 106.5379



86.3942, 89.4341, 89.6188

Square

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



85.1999, 89.4341, 106.5379



88.1452, 89.4341, 96.8202



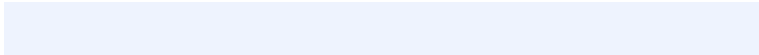
84.8093, 89.4341, 88.7598



81.9392, 89.4341, 97.9390

Rectangle

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



85.1999, 89.4341, 106.5379



87.5315, 89.4341, 102.7582



84.8093, 89.4341, 88.7598



82.5264, 89.4341, 92.1900

Sweetspot

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



85.2025, 89.4379, 106.5399



92.0905, 96.8295, 108.4440



87.7916, 95.8976, 103.4524



19.7422, 20.7588, 23.2163



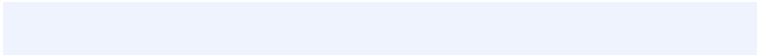
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



85.2025, 89.4379, 106.5399



83.6283, 87.7128, 107.1303



84.7183, 86.9955, 106.0940



17.4664, 18.3045, 22.8625



11.0374, 6.9845, 50.2010



1.1674, 0.8654, 4.9188

Inverse Universe

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



87.6273, 88.6928, 97.2994



86.7081, 86.7975, 95.3868



90.6835, 97.5797, 94.9457



18.2433, 18.0806, 19.8986



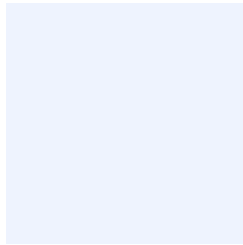
22.3594, 11.4330, 5.2770



2.2238, 1.1319, 0.7601

Previews

White Background



This preview shows how the XYZ color 85.1999, 89.4341, 106.5379 looks on a white background.

Color Contrast Check

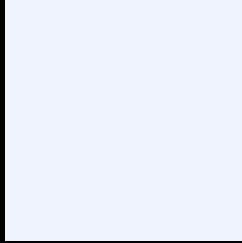
Large Text (above 18pt) WCAG AA × Fail

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 85.1999, 89.4341, 106.5379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

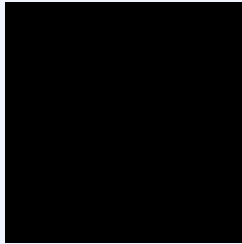
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

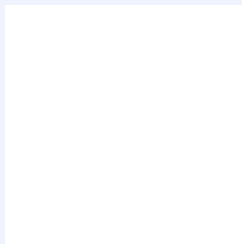
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.1999, 89.4341, 106.5379

Background



This preview shows how black text looks on a background with the XYZ color 85.1999, 89.4341, 106.5379.



This preview shows how white text looks on a background with the XYZ color 85.1999, 89.4341,

106.5379.

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

85.1999, 89.4341, 106.5379

Protanopia

86.4931, 89.2355, 105.5940

Deuteranopia

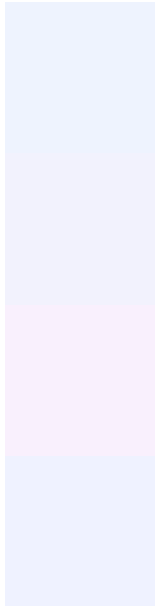
89.3852, 89.4373, 104.6475



Tritanopia

85.7373, 89.2495, 107.3158

Trichromacy



Original Color

85.1999, 89.4341, 106.5379

Protanomaly

86.0997, 89.4734, 105.6606

Deuteranomaly

87.9566, 89.5518, 105.5779

Tritanomaly

85.3987, 89.0750, 107.2999

Monochromacy



Original Color

85.1999, 89.4341, 106.5379

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

85.1147, 89.5174, 100.7882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.1999, 89.4341, 106.5379 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(238, 243, 254) looks like.

```
.text, #text, p{  
    color:rgb(238, 243, 254)  
}
```

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(238, 243, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 243, 254) }
```

Border

The CSS property to change the border of an element to XYZ 85.1999, 89.4341, 106.5379 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(238, 243, 254) }
```


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

```
.border{ border-color:rgb(238, 243, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 243, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 243, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 243, 254);  
box-shadow:4px 4px 4px 4px rgb(238, 243,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 85.1999, 89.4341, 106.5379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 243, 254) }
```

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

```
.background{ background-color: rgb(238,  
243, 254) }
```

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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