

Converting Colors

XYZ(85.3120, 89.9182,
106.4879)

Have a look what the booklet for
XYZ(85.3120, 89.9182, 106.4879)
contains.

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Color

**XYZ(85.5000, 90.0343,
106.6380)**

Conversions

Conversions Part 1

Format	Color
Hex	EEF4FE
RGB	238, 244, 254
RGB Percent	93%, 96%, 100%
CMY	0.0667, 0.0431, 0.0039
CMYK	0.06, 0.04, 0.00, 0.00
HSL	217°, 89%, 96%
HSV	217°, 6%, 100%
XYZ	85.5000, 90.0343, 106.6380
YIQ	243.3460, -6.7860, 1.8380

Conversions

Conversions Part 2

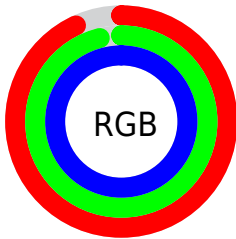
Format	Color
R _Y B	238, 242, 254
Decimal	15660286
CIE Lab	96.01, -0.14, -5.49
CIE LCh	96, 5.495, 268.531
Yxy	90.0343, 0.3030, 0.3191
Android (android.graphics.Color)	4293850366 (0xFFEEF4FE)
YUV	243.3460, 5.2524, -4.6884
Hunter-Lab	94.8864, -5.2089, -0.2125

Details

The XYZ color **85.5000, 90.0343, 106.6380** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.8734, 94.3779, 94.3704**, and the grayscale version is **85.4325, 89.8817, 97.8811**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3527, 49.9427, 59.9675** is the 20% darker color. If you saturate the color by 10%, you get **72.9958, 76.8045, 104.7448**, and if you desaturate by 10%, it is **94.8897, 99.9359, 108.0557**.

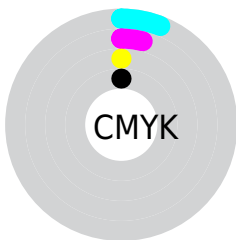
Distribution



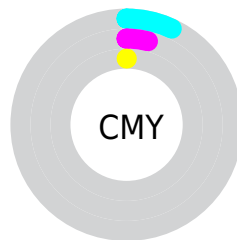
- Red (93%)
- Green (96%)
- Blue (100%)



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



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



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.5000, 90.0343, 106.6380 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 85.5000, 90.0343, 106.6380 by changing the saturation by 10% instead.

85.5000, 90.0343,
106.6380

85.5000, 90.0343,
106.6380

501.7399,
528.1424, 602.6990

64.5785, 68.0091,
81.2080

139.9820,
147.3860, 172.3810

47.3828, 49.9051,
60.1809

174.2731,
183.4814, 213.5310

33.5476, 35.3380,
43.1382

213.7515,
225.0355, 260.7581

22.7075, 23.9234,
29.6614

258.7826,
272.4329, 314.4809

14.4972, 15.2768,
19.3318

309.7315,
326.0578, 375.1178

8.5513, 9.0139,
11.7311

366.9639,

4.5044, 4.7502,

386.2948, 443.0874

6.4405

430.8448,
453.5282, 518.8083

■ 1.9913, 2.1015,
3.0417

■ 0.6291, 0.6655,
1.1159

■ 85.5000, 90.0343,
106.6380

■ 85.5000, 90.0343,
106.6380

■ 72.9958, 76.8045,
104.7448

94.8897, 99.9359,
108.0557

■ 62.0429, 64.9669,
103.0372

■ 52.5795, 54.4763,
101.5111

■ 44.5366, 45.2804,
100.1600

■ 37.8392, 37.3232,
98.9771

■ 32.4052, 30.5442,
97.9550

■ 28.1421, 24.8765,
97.0857

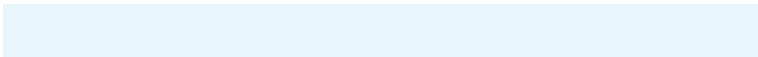
■ 24.9435, 20.2446,
96.3603

■ 22.6789, 16.5596,
95.7684

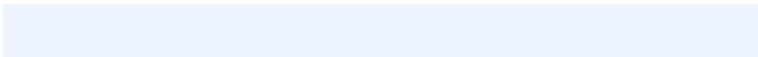
Harmonies

Analogous

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



84.0585, 90.0343, 105.3443



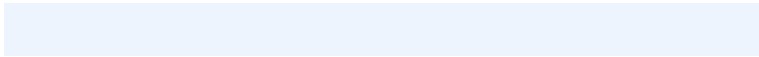
85.5000, 90.0343, 106.6380



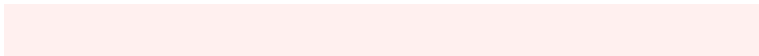
86.9782, 90.0343, 105.5696

Triad

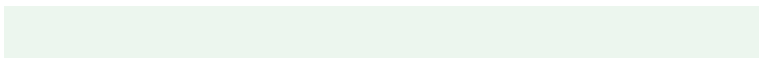
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5000, 90.0343, 106.6380



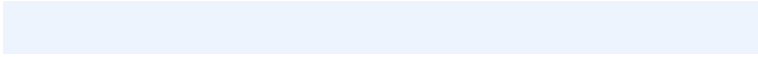
88.1678, 90.0343, 94.0891



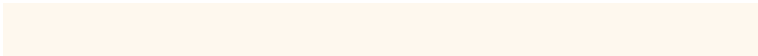
83.1068, 90.0343, 93.7279

Complementary

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



85.5000, 90.0343, 106.6380



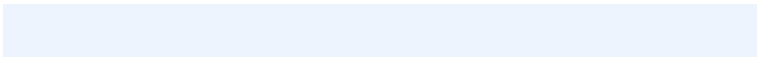
89.8734, 94.3779, 94.3704

Split Complementary

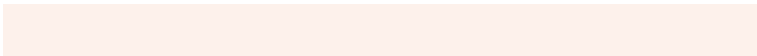
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.1868, 90.0343, 90.8621



85.5000, 90.0343, 106.6380



87.1094, 90.0343, 91.0662

Square

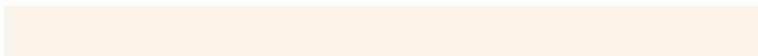
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



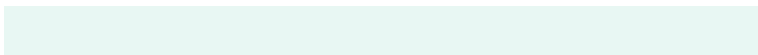
85.5000, 90.0343, 106.6380



88.5293, 90.0343, 98.2468



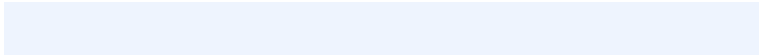
85.6498, 90.0343, 89.9020



82.6869, 90.0343, 97.8176

Rectangle

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



85.5000, 90.0343, 106.6380



87.7831, 90.0343, 103.6789



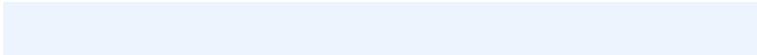
85.6498, 90.0343, 89.9020



83.4040, 90.0343, 92.5941

Sweetspot

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



85.5026, 90.0381, 106.6400



92.1904, 97.0294, 108.4773



87.6258, 95.8313, 102.5789



19.7625, 20.7995, 23.2231



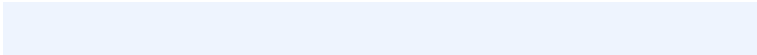
0.0000, 0.0000, 0.0000



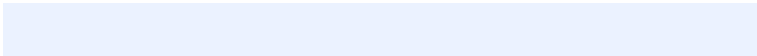
20.3446, 21.4041, 23.3091

Same Dimension

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



85.5026, 90.0381, 106.6400



84.0070, 88.4702, 107.2566



84.3554, 86.8084, 106.0770



17.5614, 18.4945, 22.8942



11.7336, 8.3769, 50.4330



1.2433, 1.0174, 4.9441

Inverse Universe

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



87.7788, 88.7534, 98.0971



86.8993, 86.8740, 96.3935



91.0691, 97.7785, 94.9637



18.2913, 18.0998, 20.1510



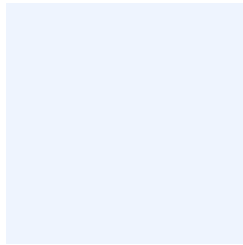
22.7108, 11.5736, 7.1275



2.2622, 1.1472, 0.9621

Previews

White Background



This preview shows how the XYZ color 85.5000, 90.0343, 106.6380 looks on a white background.

Color Contrast Check

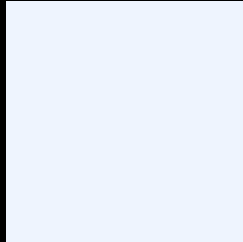
Large Text (above 18pt) WCAG AA × Fail

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 85.5000, 90.0343, 106.6380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

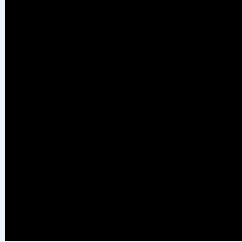
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

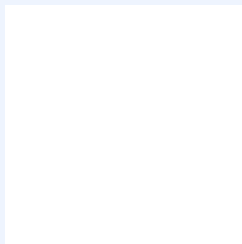
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.5000, 90.0343, 106.6380

Background



This preview shows how black text looks on a background with the XYZ color 85.5000, 90.0343, 106.6380.



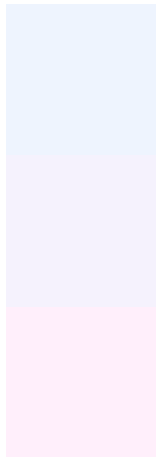
This preview shows how white text looks on a background with the XYZ color 85.5000, 90.0343,

106.6880.

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

85.5000, 90.0343, 106.6380

Protanopia

87.1379, 90.0086, 105.7092

Deuteranopia

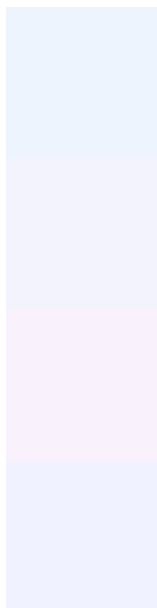
89.5191, 89.9580, 103.9123



Tritanopia

86.3762, 90.0220, 107.4312

Trichromacy



Original Color

85.5000, 90.0343, 106.6380

Protanomaly

86.3982, 90.0703, 105.7601

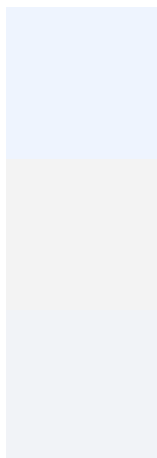
Deuteranomaly

88.0929, 90.0786, 104.8394

Tritanomaly

86.0358, 89.8464, 107.4153

Monochromacy



Original Color

85.5000, 90.0343, 106.6380

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 85.5000, 90.0343, 106.6380 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, 244, 254)` looks like.

```
.text, #text, p{  
    color:rgb(238, 244, 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, 244, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 244, 254) }
```

Border

The CSS property to change the border of an element to XYZ 85.5000, 90.0343, 106.6380 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, 244, 254) }
```


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

```
.border{ border-color:rgb(238, 244, 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, 244, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 244, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 244, 254); box-shadow:4px 4px 4px 4px rgb(238, 244, 254) }
```

Background

The CSS property to change the background color of an element to XYZ 85.5000, 90.0343, 106.6380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 244, 254) }
```

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

```
.background{ background-color: rgb(238,  
244, 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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