

Converting Colors

XYZ(85.4877, 90.1344,
105.6381)

Have a look what the booklet for
XYZ(85.4877, 90.1344, 105.6381)
contains.

XYZ(85.3402, 89.9704, 105.7966)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(85.3402, 89.9704,
105.7966)**

Conversions

Conversions Part 1

Format	Color
Hex	EEF4FD
RGB	238, 244, 253
RGB Percent	93%, 96%, 99%
CMY	0.0667, 0.0431, 0.0078
CMYK	0.06, 0.04, 0.00, 0.01
HSL	216°, 79%, 96%
HSV	216°, 6%, 99%
XYZ	85.3402, 89.9704, 105.7966
YIQ	243.2320, -6.4650, 1.5270

Conversions

Conversions Part 2

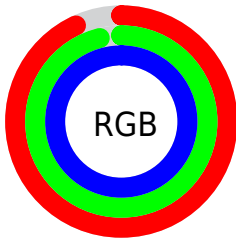
Format	Color
R _Y B	238, 242, 253
Decimal	15660285
CIE Lab	95.98, -0.33, -5.02
CIE LCh	96, 5.026, 266.263
Yxy	89.9704, 0.3036, 0.3201
Android (android.graphics.Color)	4293850365 (0xFFEEF4FD)
YUV	243.2320, 4.8156, -4.5885
Hunter-Lab	94.8527, -5.3936, 0.2662

Details

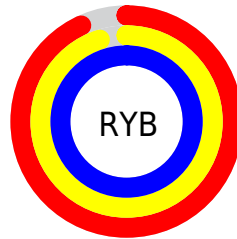
The XYZ color **85.3402, 89.9704, 105.7966** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.2016, 93.5763, 94.2509**, and the grayscale version is **85.3449, 89.7895, 97.7807**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.2384, 49.8970, 59.3659** is the 20% darker color. If you saturate the color by 10%, you get **73.0569, 77.1393, 103.9687**, and if you desaturate by 10%, it is **94.7299, 99.8720, 107.2143**.

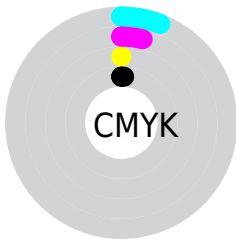
Distribution



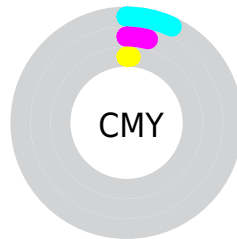
- Red (93%)
- Green (96%)
- Blue (99%)



- Red (93%)
- Yellow (95%)
- Blue (99%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)



- Cyan (7%)
- Magenta (4%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.3402, 89.9704, 105.7966 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 85.3402, 89.9704, 105.7966 by changing the saturation by 10% instead.

85.3402, 89.9704,
105.7966

85.3402, 89.9704,
105.7966

501.2198,
527.9346, 600.0262

64.4460, 67.9561,
80.5065

139.7600,
147.2973, 171.2216

47.2750, 49.8620,
59.6066

174.0162,
183.3786, 212.1936

33.4620, 35.3038,
42.6784

213.4571,
224.9178, 259.2299

22.6415, 23.8970,
29.3034

258.4481,
272.2992, 312.7492

14.4483, 15.2572,
19.0629

309.3545,
325.9071, 373.1699

8.5169, 9.0001,
11.5384

366.5417,

4.4820, 4.7412,

386.1261, 440.9106

6.3115

430.3750,
453.3404, 516.3899

■ 1.9783, 2.0963,
2.9636

■ 0.6217, 0.6625,
1.0761

■ 85.3402, 89.9704,
105.7966

■ 85.3402, 89.9704,
105.7966

■ 73.0569, 77.1393,
103.9687

94.7299, 99.8720,
107.2143

■ 62.2821, 65.6281,
102.3147

■ 52.9560, 55.3944,
100.8310

■ 45.0117, 46.3893,
99.5115

■ 38.3769, 38.5605,
98.3501

■ 32.9717, 31.8509,
97.3399

■ 28.7068, 26.1981,
96.4736

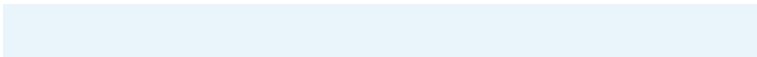
■ 25.4792, 21.5312,
95.7429

■ 23.1630, 17.7668,
95.1384

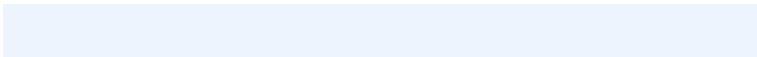
Harmonies

Analogous

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



84.0392, 89.9704, 104.4632



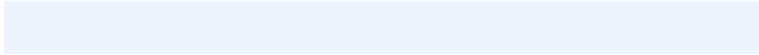
85.3402, 89.9704, 105.7966



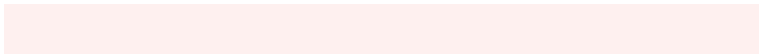
86.7017, 89.9704, 104.9845

Triad

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



85.3402, 89.9704, 105.7966



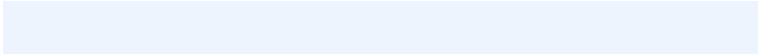
87.9321, 89.9704, 94.6160



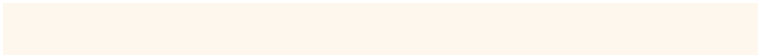
83.3119, 89.9704, 93.7748

Complementary

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



85.3402, 89.9704, 105.7966



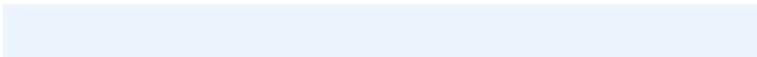
89.2016, 93.5763, 94.2509

Split Complementary

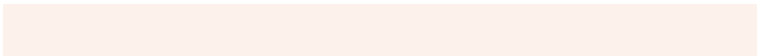
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.3376, 89.9704, 91.2608



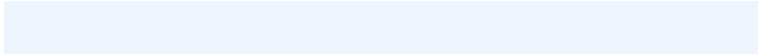
85.3402, 89.9704, 105.7966



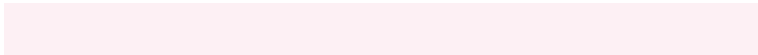
87.0063, 89.9704, 91.7372

Square

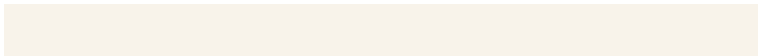
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



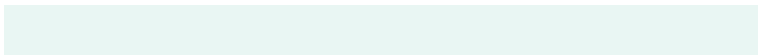
85.3402, 89.9704, 105.7966



88.2076, 89.9704, 98.4619



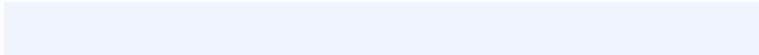
85.6884, 89.9704, 90.5250



82.8762, 89.9704, 97.4648

Rectangle

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



85.3402, 89.9704, 105.7966



87.4588, 89.9704, 103.3473



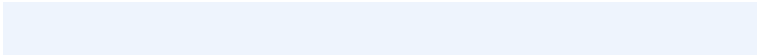
85.6884, 89.9704, 90.5250



83.5986, 89.9704, 92.7681

Sweetspot

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



85.3428, 89.9742, 105.7986



92.2305, 97.1095, 108.4907



87.1365, 95.1291, 101.5641



19.7707, 20.8158, 23.2258



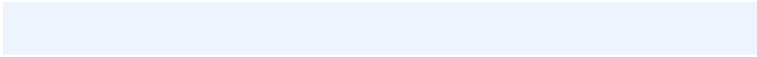
0.0000, 0.0000, 0.0000



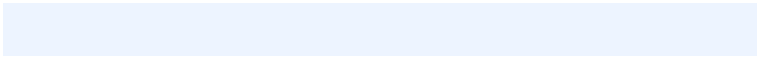
20.3446, 21.4041, 23.3091

Same Dimension

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



85.3428, 89.9742, 105.7986



85.4646, 90.1292, 107.5000



83.9866, 86.6367, 105.2258



18.1239, 19.1160, 22.9845



12.0540, 9.0176, 50.5398



1.2771, 1.0849, 4.9554

Inverse Universe

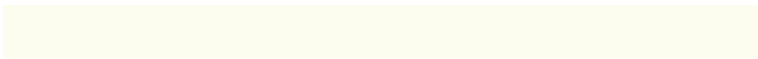
The Inverse Universe completely reimagines the original color for something new.



87.4137, 88.5651, 98.0801



87.9416, 88.4648, 98.2631



90.6137, 97.0739, 94.8516



18.6981, 18.7330, 20.8428



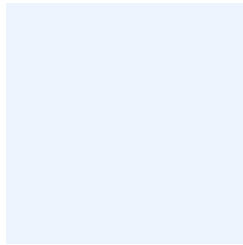
22.8725, 11.6383, 7.9791



2.2792, 1.1541, 1.0518

Previews

White Background



This preview shows how the XYZ color 85.3402, 89.9704, 105.7966 looks on a white background.

Color Contrast Check

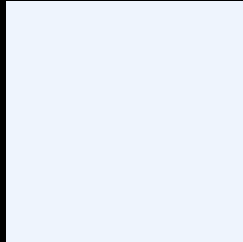
Large Text (above 18pt) WCAG AA × Fail

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 85.3402, 89.9704, 105.7966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

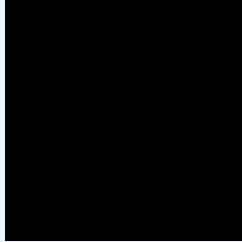
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

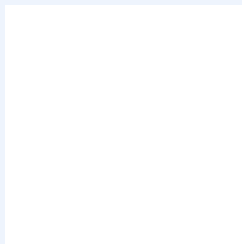
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.3402, 89.9704, 105.7966

Background



This preview shows how black text looks on a background with the XYZ color 85.3402, 89.9704, 105.7966.



This preview shows how white text looks on a background with the XYZ color 85.3402, 89.9704,

105.7966.

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

85.3402, 89.9704, 105.7966

Protanopia

86.9790, 89.9450, 104.8723

Deuteranopia

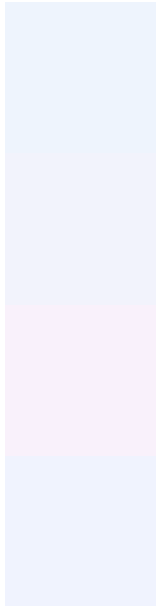
89.3618, 89.8951, 103.0841



Tritanopia

86.3762, 90.0220, 107.4312

Trichromacy



Original Color

85.3402, 89.9704, 105.7966

Protanomaly

86.2392, 90.0067, 104.9232

Deuteranomaly

87.9348, 90.0154, 104.0068

Tritanomaly

85.8752, 89.7822, 106.5695

Monochromacy



Original Color

85.3402, 89.9704, 105.7966

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 85.3402, 89.9704, 105.7966 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, 253) looks like.

```
.text, #text, p{  
    color:rgb(238, 244, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 244, 253) }
```

Border

The CSS property to change the border of an element to XYZ 85.3402, 89.9704, 105.7966 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, 253) }
```


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

```
.border{ border-color:rgb(238, 244, 253) }
```

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, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 244, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 244, 253);  
box-shadow:4px 4px 4px 4px rgb(238, 244,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 85.3402, 89.9704, 105.7966 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, 253) }
```

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

```
.background{ background-color: rgb(238,  
244, 253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor