

Converting Colors

XYZ(88.5068, 90.5551,
120.5969)

Have a look what the booklet for
XYZ(88.5068, 90.5551, 120.5969)
contains.

XYZ(85.7373, 89.2495, 107.3158)	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(85.7373, 89.2495,
107.3158)**

Conversions

Conversions Part 1

Format	Color
Hex	F0F2FF
RGB	240, 242, 255
RGB Percent	94%, 95%, 100%
CMY	0.0588, 0.0510, 0.0000
CMYK	0.06, 0.05, 0.00, 0.00
HSL	232°, 100%, 97%
HSV	232°, 6%, 100%
XYZ	85.7373, 89.2495, 107.3158
YIQ	242.8840, -5.3650, 3.6190

Conversions

Conversions Part 2

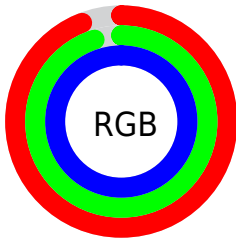
Format	Color
R _Y B	240, 242, 255
Decimal	15790847
CIE Lab	95.68, 1.71, -6.48
CIE LCh	96, 6.699, 284.809
Yxy	89.2495, 0.3037, 0.3161
Android (android.graphics.Color)	4293980927 (0xFFFF0F2FF)
YUV	242.8840, 5.9732, -2.5293
Hunter-Lab	94.4720, -3.3296, -1.2203

Details

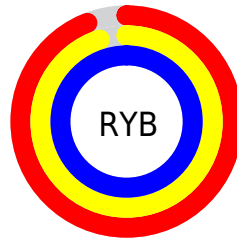
The XYZ color **85.7373, 89.2495, 107.3158** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92.0926, 97.7997, 96.4630**, and the grayscale version is **85.0583, 89.4880, 97.4524**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.5191, 49.3854, 60.4539** is the 20% darker color. If you saturate the color by 10%, you get **71.4984, 72.7321, 104.8781**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

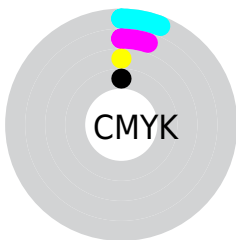
Distribution



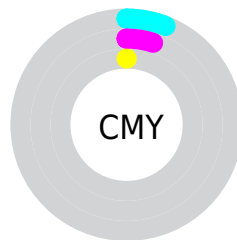
- Red (94%)
- Green (95%)
- Blue (100%)



- Red (94%)
- Yellow (95%)
- Blue (100%)



- Cyan (6%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.7373, 89.2495, 107.3158 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 85.7373, 89.2495, 107.3158 by changing the saturation by 10% instead.

85.7373, 89.2495,
107.3158

85.7373, 89.2495,
107.3158

502.5116,
525.5865, 604.8476

64.7753, 67.3584,
81.7733

140.3116,
146.2955, 173.3143

47.5429, 49.3759,
60.6440

174.6545,
182.2191, 214.6073

33.6748, 34.9178,
43.5092

214.1885,
223.5890, 261.9877

22.8056, 23.5995,
29.9505

259.2789,
270.7896, 315.8739

14.5699, 15.0368,
19.5493

310.2911,
324.2052, 376.6844

8.6025, 8.8452,
11.8870

367.5903,

4.5378, 4.6404,

384.2203, 444.8378

6.5452

431.5421,
451.2193, 520.7527

■ 2.0107, 2.0378,
3.1052

■ 0.6399, 0.6293,
1.1486

■ 85.7373, 89.2495,
107.3158

■ 85.7373, 89.2495,
107.3158

■ 71.4984, 72.7321,
104.8781

95.0500, 100.0000,
108.9000

■ 59.1894, 58.3444,
102.7497

■ 48.7288, 46.0027,
100.9189

■ 40.0265, 35.6134,
99.3722

■ 32.9850, 27.0754,
98.0953

■ 27.4969, 20.2789,
97.0727

■ 23.4423, 15.1016,
96.2871

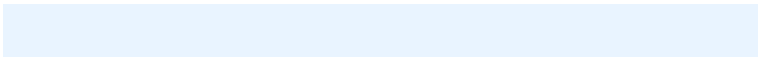
■ 20.6828, 11.4054,
95.7191

■ 19.0514, 9.0276,
95.3461

Harmonies

Analogous

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



83.9044, 89.2495, 107.2971



85.7373, 89.2495, 107.3158



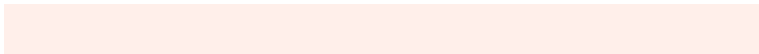
87.3491, 89.2495, 104.5517

Triad

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



85.7373, 89.2495, 107.3158



87.3662, 89.2495, 90.2040



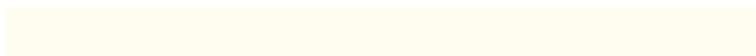
81.4572, 89.2495, 94.5441

Complementary

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



85.7373, 89.2495, 107.3158



92.0926, 97.7997, 96.4630

Split Complementary

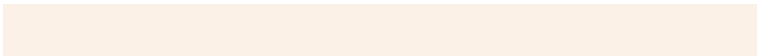
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.3577, 89.2495, 90.1585



85.7373, 89.2495, 107.3158



85.7603, 89.2495, 87.7151

Square

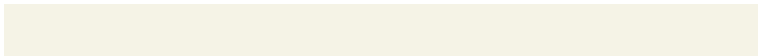
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



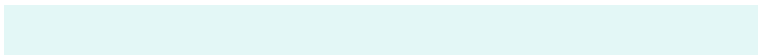
85.7373, 89.2495, 107.3158



88.2988, 89.2495, 94.6084



83.9271, 89.2495, 87.6988



81.4513, 89.2495, 99.7928

Rectangle

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



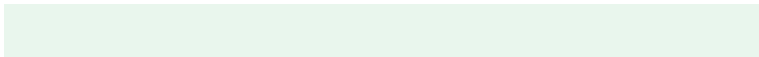
85.7373, 89.2495, 107.3158



88.0739, 89.2495, 101.5585



83.9271, 89.2495, 87.6988



81.6648, 89.2495, 92.9244

Sweetspot

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



85.7396, 89.2532, 107.3164



91.8050, 96.2586, 108.3489



89.3857, 97.1215, 106.7553



19.6841, 20.6425, 23.1969



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.



85.7396, 89.2532, 107.3164



84.0484, 87.2969, 107.0279



86.9546, 88.9990, 107.2033



17.7967, 18.4616, 22.8754



9.7910, 4.4916, 49.7855



1.0108, 0.5522, 4.8666

Inverse Universe

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



88.4285, 89.9925, 96.7184



87.2267, 88.1789, 94.4990



90.8235, 98.0893, 96.5858



18.5329, 18.6669, 19.9730



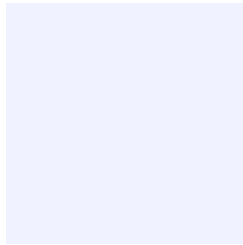
21.7302, 11.1814, 1.9640



2.1448, 1.1003, 0.3439

Previews

White Background



This preview shows how the XYZ color 85.7373, 89.2495, 107.3158 looks on a white background.

Color Contrast Check

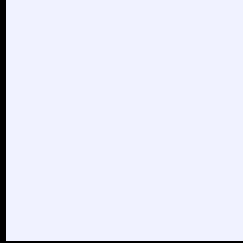
Large Text (above 18pt) WCAG AA × Fail

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 85.7373, 89.2495, 107.3158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

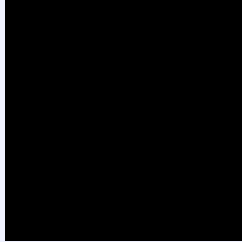
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.7373, 89.2495, 107.3158

Background



This preview shows how black text looks on a background with the XYZ color 85.7373, 89.2495, 107.3158.



This preview shows how white text looks on a background with the XYZ color 85.7373, 89.2495,

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

85.7373, 89.2495, 107.3158

Protanopia

86.3068, 89.1210, 106.4192

Deuteranopia

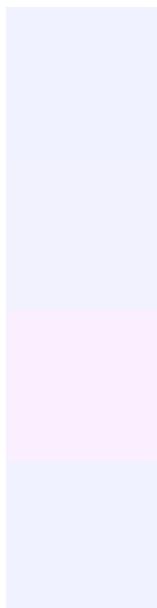
89.2538, 88.9202, 105.3876



Tritanopia

86.0778, 89.4250, 107.3317

Trichromacy



Original Color

85.7373, 89.2495, 107.3158

Protanomaly

85.9626, 88.9436, 106.4030

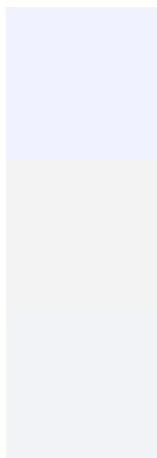
Deuteranomaly

88.1802, 89.2128, 106.3381

Tritanomaly

86.0778, 89.4250, 107.3317

Monochromacy



Original Color

85.7373, 89.2495, 107.3158

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

85.4570, 89.6938, 100.8043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.7373, 89.2495, 107.3158 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(240, 242, 255) looks like.

```
.text, #text, p{  
    color:rgb(240, 242, 255)  
}
```

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(240, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 85.7373, 89.2495, 107.3158 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(240, 242, 255) }
```


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

```
.border{ border-color:rgb(240, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 85.7373, 89.2495, 107.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 242, 255) }
```

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

```
.background{ background-color: rgb(240,  
242, 255) }
```

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