

Converting Colors

XYZ(83.0326, 88.9708,
107.4045)

Have a look what the booklet for
XYZ(83.0326, 88.9708, 107.4045)
contains.

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Color

**XYZ(83.3355, 89.3478,
107.4613)**

Conversions

Conversions Part 1

Format	Color
Hex	E6F5FF
RGB	230, 245, 255
RGB Percent	90%, 96%, 100%
CMY	0.0980, 0.0392, 0.0000
CMYK	0.10, 0.04, 0.00, 0.00
HSL	204°, 100%, 95%
HSV	204°, 10%, 100%
XYZ	83.3355, 89.3478, 107.4613
YIQ	241.6550, -12.1500, -0.0700

Conversions

Conversions Part 2

Format	Color
R _Y B	230, 239, 255
Decimal	15136255
CIE Lab	95.73, -3.02, -6.50
CIE LCh	96, 7.163, 245.075
Yxy	89.3478, 0.2975, 0.3189
Android (android.graphics.Color)	4293326335 (0xFFE6F5FF)
YUV	241.6550, 6.5791, -10.2214
Hunter-Lab	94.5240, -8.0453, -1.2381

Details

The XYZ color **83.3355, 89.3478, 107.4613** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.6823, 89.2914, 87.5307**, and the grayscale version is **84.0840, 88.4629, 96.3361**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8462, 49.4711, 60.5586** is the 20% darker color. If you saturate the color by 10%, you get **72.7437, 79.4365, 106.1065**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

Distribution



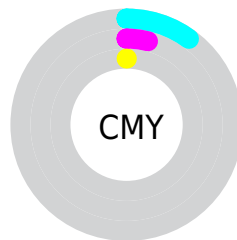
- Red (90%)
- Green (96%)
- Blue (100%)



- Red (90%)
- Yellow (94%)
- Blue (100%)



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.3355, 89.3478, 107.4613 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 83.3355, 89.3478, 107.4613 by changing the saturation by 10% instead.

83.3355, 89.3478,
107.4613

83.3355, 89.3478,
107.4613

494.6710,
525.9070, 605.3083

62.7848, 67.4398,
81.8947

136.9713,
146.4321, 173.5145

45.9251, 49.4422,
60.7435

170.7872,
182.3773, 214.8383

32.3911, 34.9704,
43.5890

209.7555,
223.7703, 262.2514

21.8174, 23.6400,
30.0127

254.2416,
270.9956, 316.1726

13.8387, 15.0668,
19.5961

304.6108,
324.4375, 377.0204

8.0895, 8.8663,
11.9206

361.2286,

4.2045, 4.6541,

384.4804, 445.2132

6.5678

424.4602,
451.5088, 521.1697

■ 1.8185, 2.0458,
3.1190

■ 0.5288, 0.6339,
1.1557

■ 83.3355, 89.3478,
107.4613

■ 83.3355, 89.3478,
107.4613

■ 72.7437, 79.4365,
106.1065

95.0500, 100.0000,
108.9000

■ 63.4621, 70.4464,
104.8604

■ 55.4348, 62.3471,
103.7202

■ 48.5986, 55.1018,
102.6820

■ 42.8848, 48.6707,
101.7419

■ 38.2167, 43.0099,
100.8952

■ 34.5070, 38.0696,
100.1372

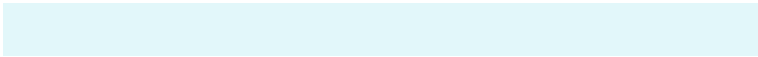
■ 31.6521, 33.7917,
99.4620

■ 29.4882, 30.0870,
98.8609

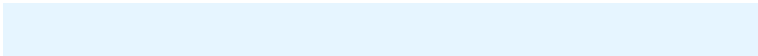
Harmonies

Analogous

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



81.8589, 89.3478, 103.6548



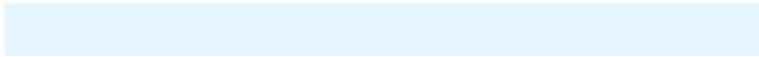
83.3355, 89.3478, 107.4613



85.2580, 89.3478, 108.4992

Triad

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



83.3355, 89.3478, 107.4613



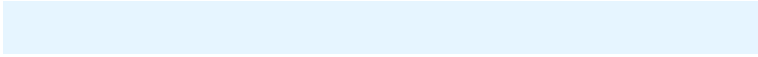
88.7529, 89.3478, 96.3278



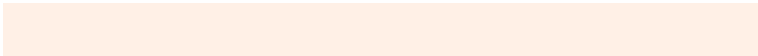
82.7635, 89.3478, 88.6708

Complementary

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



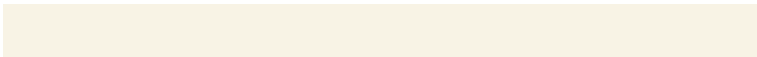
83.3355, 89.3478, 107.4613



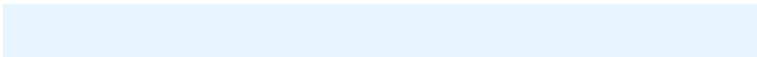
86.6823, 89.2914, 87.5307

Split Complementary

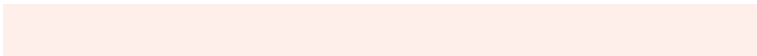
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5877, 89.3478, 86.8706



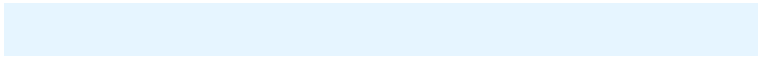
83.3355, 89.3478, 107.4613



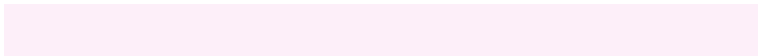
88.0614, 89.3478, 91.1809

Square

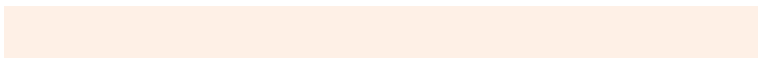
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



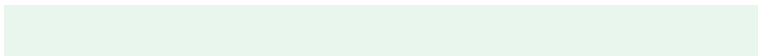
83.3355, 89.3478, 107.4613



88.4052, 89.3478, 101.9300



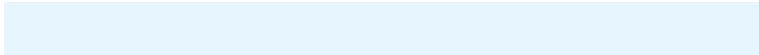
86.5293, 89.3478, 87.7715



81.5323, 89.3478, 92.7825

Rectangle

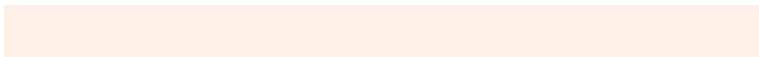
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.3355, 89.3478, 107.4613



86.5384, 89.3478, 107.4485



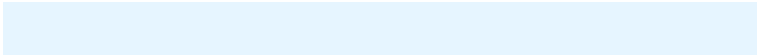
86.5293, 89.3478, 87.7715



83.3266, 89.3478, 87.7827

Sweetspot

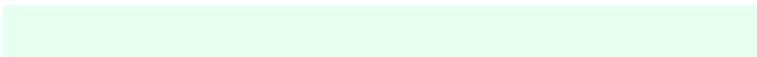
The Sweet Spot groups the original color and five complimentary colors.



83.3378, 89.3514, 107.4619



91.3233, 96.6419, 108.4482



84.0603, 94.6099, 95.9460



19.3383, 20.4964, 23.1869



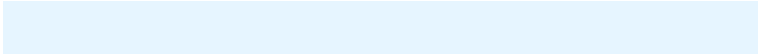
0.0000, 0.0000, 0.0000



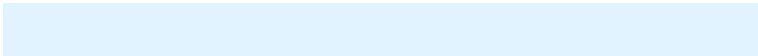
20.3446, 21.4041, 23.3091

Same Dimension

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



83.3378, 89.3514, 107.4619



80.8951, 87.0923, 107.1546



79.7996, 82.2750, 106.2825



17.9099, 19.1914, 23.0103



15.5378, 15.9852, 51.7011



1.6198, 1.7704, 5.0696

Inverse Universe

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



86.0196, 84.4477, 98.1569



84.1456, 81.2435, 95.8552



90.3599, 96.6466, 88.7566



18.4672, 18.1702, 21.0772



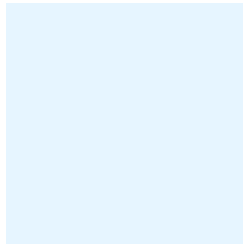
24.6310, 12.3417, 17.2390



2.4522, 1.2233, 1.9628

Previews

White Background



This preview shows how the XYZ color 83.3355, 89.3478, 107.4613 looks on a white background.

Color Contrast Check

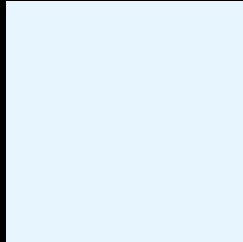
Large Text (above 18pt) WCAG AA × Fail

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 83.3355, 89.3478, 107.4613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

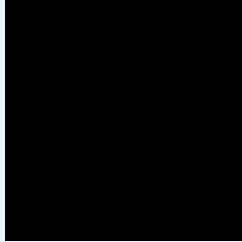
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

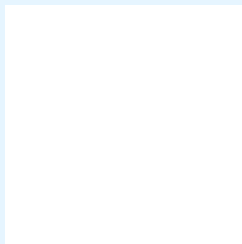
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.3355, 89.3478, 107.4613

Background



This preview shows how black text looks on a background with the XYZ color 83.3355, 89.3478, 107.4613.



This preview shows how white text looks on a background with the XYZ color 83.3355, 89.3478,

107.4613.

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

83.3355, 89.3478, 107.4613

Protanopia

86.4931, 89.2355, 105.5940

Deuteranopia

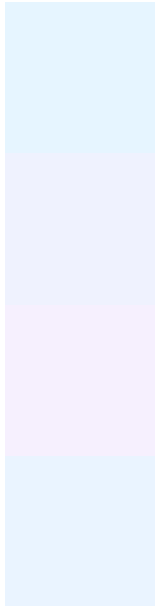
89.2538, 88.9202, 105.3876



Tritanopia

84.6927, 89.1541, 107.3524

Trichromacy



Original Color

83.3355, 89.3478, 107.4613

Protanomaly

85.2381, 89.0107, 106.4542

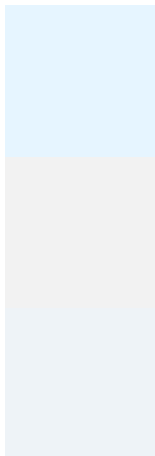
Deuteranomaly

87.0555, 89.0688, 106.3696

Tritanomaly

84.3324, 89.4138, 107.4215

Monochromacy



Original Color

83.3355, 89.3478, 107.4613

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.0990, 88.9937, 100.7407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.3355, 89.3478, 107.4613 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(230, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 245, 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(230, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.3355, 89.3478, 107.4613 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(230, 245, 255) }
```


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

```
.border{ border-color:rgb(230, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 245, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 245, 255); box-shadow:4px 4px 4px 4px rgb(230, 245, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3355, 89.3478, 107.4613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 245, 255) }
```

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

```
.background{ background-color: rgb(230,  
245, 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](#).

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