

Converting Colors

XYZ(83.2710, 89.9850,
108.0725)

Have a look what the booklet for
XYZ(83.2710, 89.9850, 108.0725)
contains.

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Color

**XYZ(83.3057, 90.2355,
107.6343)**

Conversions

Conversions Part 1

Format	Color
Hex	E4F7FF
RGB	228, 247, 255
RGB Percent	89%, 97%, 100%
CMY	0.1059, 0.0314, 0.0000
CMYK	0.11, 0.03, 0.00, 0.00
HSL	198°, 100%, 95%
HSV	198°, 11%, 100%
XYZ	83.3057, 90.2355, 107.6343
YIQ	242.2310, -13.8920, -1.5400

Conversions

Conversions Part 2

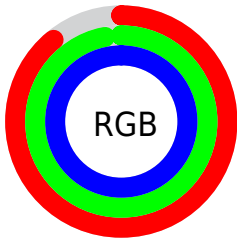
Format	Color
R _{YB}	228, 239, 255
Decimal	15005695
CIE Lab	96.09, -4.67, -5.97
CIE LCh	96, 7.574, 231.977
Yxy	90.2355, 0.2963, 0.3209
Android (android.graphics.Color)	4293195775 (0xFFE4F7FF)
YUV	242.2310, 6.2951, -12.4806
Hunter-Lab	94.9924, -9.6970, -0.6859

Details

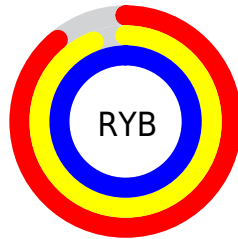
The XYZ color **83.3057, 90.2355, 107.6343** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.2385, 86.8507, 85.6718**, and the grayscale version is **84.5426, 88.9454, 96.8616**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8371, 50.1095, 60.6823** is the 20% darker color. If you saturate the color by 10%, you get **73.5429, 81.8461, 106.5295**, and if you desaturate by 10%, it is **94.3598, 99.4344, 108.8272**.

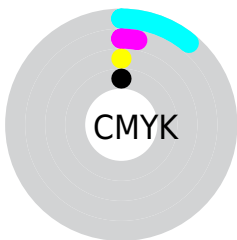
Distribution



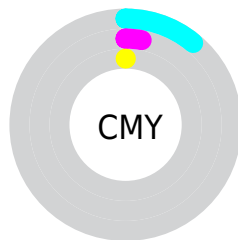
- Red (89%)
- Green (97%)
- Blue (100%)



- Red (89%)
- Yellow (94%)
- Blue (100%)



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.3057, 90.2355, 107.6343 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 83.3057, 90.2355, 107.6343 by changing the saturation by 10% instead.

83.3057, 90.2355,
107.6343

83.3057, 90.2355,
107.6343

494.5733,
528.7966, 605.8559

62.7601, 68.1760,
82.0391

136.9298,
147.6655, 173.7526

45.9051, 50.0409,
60.8617

170.7391,
183.8047, 215.1128

32.3753, 35.4459,
43.6838

209.7004,
225.4060, 262.5650

21.8052, 24.0066,
30.0866

254.1789,
272.8537, 316.5278

13.8296, 15.3385,
19.6517

304.5401,
326.5322, 377.4198

8.0832, 9.0573,
11.9606

361.1494,

4.2005, 4.7786,

386.8259, 445.6594

6.5946

424.3720,
454.1193, 521.6653

■ 1.8162, 2.1179,
3.1353

■ 0.5274, 0.6747,
1.1641

■ 83.3057, 90.2355,
107.6343

■ 83.3057, 90.2355,
107.6343

■ 73.5429, 81.8461,
106.5295

94.3598, 99.4344,
108.8272

■ 65.0113, 74.2261,
105.5083

95.0500, 100.0000,
108.9000

■ 57.6563, 67.3482,
104.5684

■ 51.4161, 61.1789,
103.7065

■ 46.2231, 55.6817,
102.9192

■ 42.0017, 50.8157,
102.2024

■ 38.6656, 46.5348,
101.5520

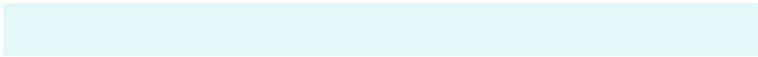
■ 36.1116, 42.7839,
100.9626

■ 34.2682, 39.6565,
100.4561

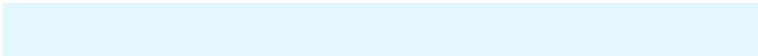
Harmonies

Analogous

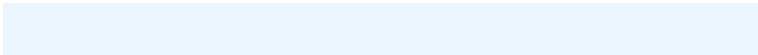
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0801, 90.2355, 102.6376



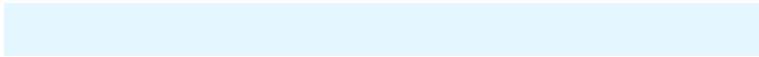
83.3057, 90.2355, 107.6343



85.2045, 90.2355, 110.1385

Triad

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



83.3057, 90.2355, 107.6343



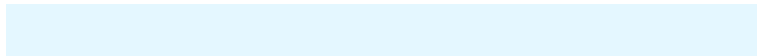
89.8222, 90.2355, 99.8720



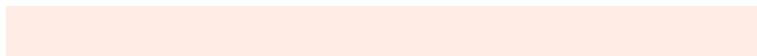
84.2656, 90.2355, 87.9242

Complementary

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



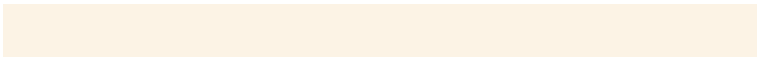
83.3057, 90.2355, 107.6343



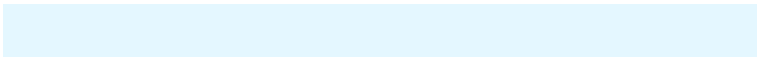
85.2385, 86.8507, 85.6718

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.



86.3303, 90.2355, 87.2514



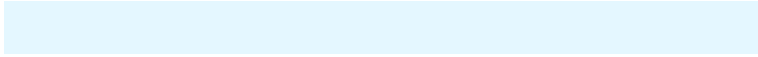
83.3057, 90.2355, 107.6343



89.5609, 90.2355, 93.9914

Square

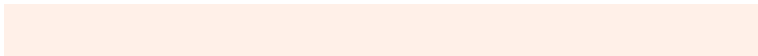
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3057, 90.2355, 107.6343



88.9828, 90.2355, 105.5392



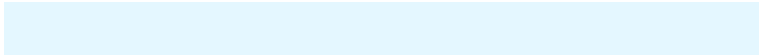
88.2745, 90.2355, 89.4298



82.6280, 90.2355, 91.3065

Rectangle

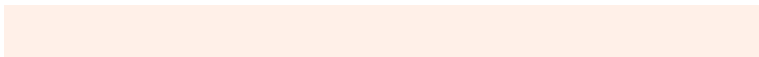
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.3057, 90.2355, 107.6343



86.6059, 90.2355, 109.9892



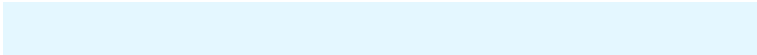
88.2745, 90.2355, 89.4298



84.9319, 90.2355, 87.3794

Sweetspot

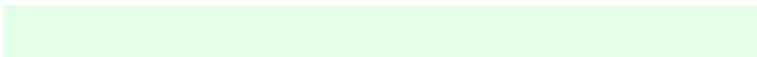
The Sweet Spot groups the original color and five complimentary colors.



83.3080, 90.2392, 107.6348



91.5729, 97.1410, 108.5314



82.8454, 94.0503, 92.8789



19.4058, 20.6313, 23.2094



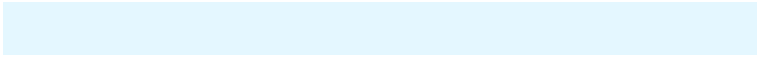
0.0000, 0.0000, 0.0000



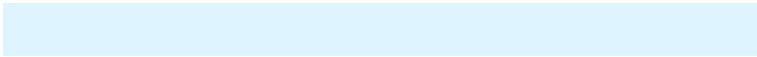
20.3446, 21.4041, 23.3091

Same Dimension

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



83.3080, 90.2392, 107.6348



80.8362, 88.1418, 107.3603



79.4263, 82.4756, 106.3409



18.0740, 19.5196, 23.0650



18.0421, 20.9938, 52.5359



1.8518, 2.2344, 5.1469

Inverse Universe

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



85.7734, 83.4638, 99.5894



83.8309, 80.0267, 97.5615



89.1661, 94.7060, 86.9810



18.5500, 18.2033, 21.5134



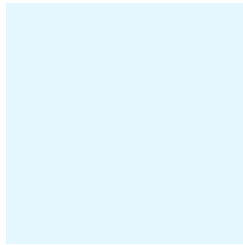
25.8950, 12.8473, 23.8954



2.5693, 1.2701, 2.5795

Previews

White Background



This preview shows how the XYZ color 83.3057, 90.2355, 107.6343 looks on a white background.

Color Contrast Check

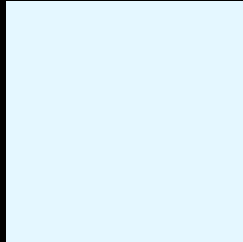
Large Text (above 18pt) WCAG AA × Fail

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 83.3057, 90.2355, 107.6343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

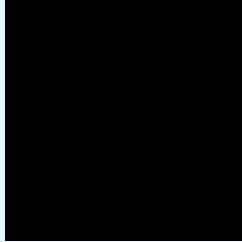
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

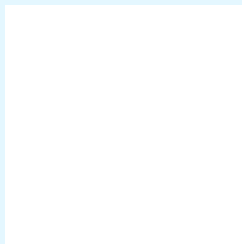
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.3057, 90.2355, 107.6343

Background



This preview shows how black text looks on a background with the XYZ color 83.3057, 90.2355, 107.6343.

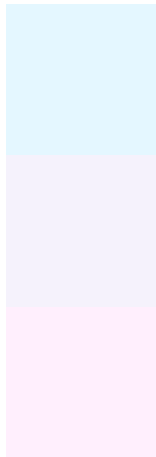


This preview shows how white text looks on a background with the XYZ color 83.3057, 90.2355,

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

83.3057, 90.2355, 107.6343

Protanopia

86.9790, 89.9450, 104.8723

Deuteranopia

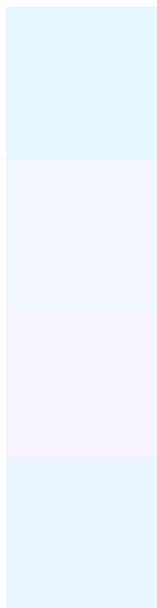
89.8361, 90.0849, 105.5817



Tritanopia

85.2945, 90.3577, 107.5530

Trichromacy



Original Color

83.3057, 90.2355, 107.6343

Protanomaly

85.6769, 90.1439, 105.8124

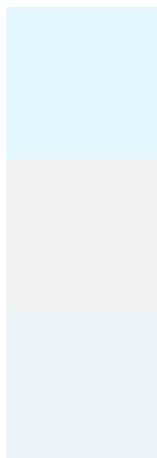
Deuteranomaly

87.2977, 90.0725, 106.5506

Tritanomaly

84.6100, 90.4552, 107.6079

Monochromacy



Original Color

83.3057, 90.2355, 107.6343

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.0642, 89.4213, 100.8251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.3057, 90.2355, 107.6343 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(228, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 247, 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(228, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 247, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.3057, 90.2355, 107.6343 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(228, 247, 255) }
```


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

```
.border{ border-color:rgb(228, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 247,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3057, 90.2355, 107.6343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 247, 255) }
```

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

```
.background{ background-color: rgb(228,  
247, 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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