

Converting Colors

XYZ(83.6908, 90.3503, 98.3650)

Have a look what the booklet for
XYZ(83.6908, 90.3503, 98.3650)
contains.

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Color

**XYZ(83.5459, 90.1054,
98.5767)**

Conversions

Conversions Part 1

Format	Color
Hex	EBF6F4
RGB	235, 246, 244
RGB Percent	92%, 96%, 96%
CMY	0.0784, 0.0353, 0.0431
CMYK	0.04, 0.00, 0.01, 0.04
HSL	169°, 38%, 94%
HSV	169°, 4%, 96%
XYZ	83.5459, 90.1054, 98.5767
YIQ	242.4830, -5.9140, -2.9540

Conversions

Conversions Part 2

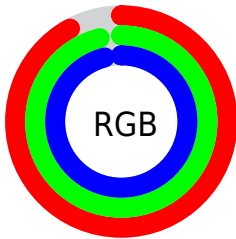
Format	Color
R _Y B	235, 241, 246
Decimal	15464180
CIE Lab	96.04, -3.97, -0.31
CIE LCh	96, 3.985, 184.406
Yxy	90.1054, 0.3069, 0.3310
Android (android.graphics.Color)	4293654260 (0xFFEBF6F4)
YUV	242.4830, 0.7479, -6.5626
Hunter-Lab	94.9239, -9.0125, 4.8751

Details

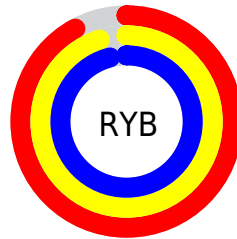
The XYZ color **83.5459, 90.1054, 98.5767** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.0038, 85.1264, 92.1815**, and the grayscale version is **84.7806, 89.1958, 97.1342**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0810, 50.0415, 54.8072** is the 20% darker color. If you saturate the color by 10%, you get **75.3074, 85.9385, 94.6846**, and if you desaturate by 10%, it is **91.2156, 93.9823, 102.5322**.

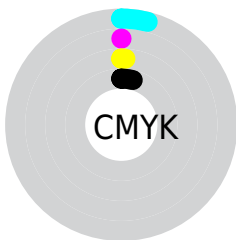
Distribution



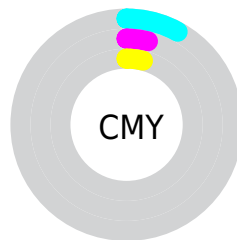
- Red (92%)
- Green (96%)
- Blue (96%)



- Red (92%)
- Yellow (95%)
- Blue (96%)



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



- Cyan (8%)
- Magenta (4%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.5459, 90.1054, 98.5767 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 83.5459, 90.1054, 98.5767 by changing the saturation by 10% instead.

83.5459, 90.1054,
98.5767

83.5459, 90.1054,
98.5767

495.3605,
528.3737, 576.8274

62.9590, 68.0681,
74.5022

137.2643,
147.4848, 161.2346

46.0666, 49.9531,
54.7059

171.1266,
183.5956, 200.6551

32.5032, 35.3761,
38.7693

210.1447,
225.1664, 246.0280

21.9036, 23.9528,
26.2738

254.6841,
272.5816, 297.7719

13.9023, 15.2986,
16.8010

305.1099,
326.2255, 356.3052

8.1340, 9.0292,
9.9323

361.7877,

4.2333, 4.7602,

386.4825, 422.0465

5.2490

425.0828,
453.7371, 495.4144

■ 1.8350, 2.1073,
2.3328

■ 0.5386, 0.6687,
0.7495

■ 83.5459, 90.1054,
98.5767

■ 83.5459, 90.1054,
98.5767

■ 75.3074, 85.9385,
94.6846

■ 91.2156, 93.9823,
102.5322

■ 68.1602, 82.3297,
90.9275

■ 91.9211, 94.2644,
106.2468

■ 62.0577, 79.2576,
87.3044

■ 92.2475, 94.3950,
107.9658

■ 56.9471, 76.6950,
83.8122

■ 52.7709, 74.6122,
80.4476

■ 49.4654, 72.9765,
77.2070

■ 46.9592, 71.7510,
74.0865

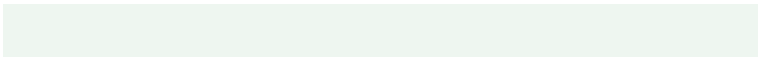
■ 45.1691, 70.8928,
71.0814

■ 43.9932, 70.3495,
68.1863

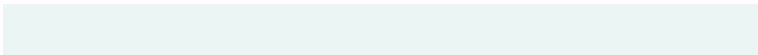
Harmonies

Analogous

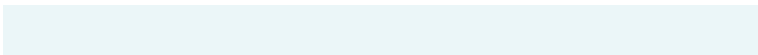
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7445, 90.1054, 95.5097



83.5459, 90.1054, 98.5767



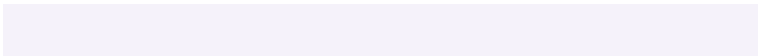
83.9051, 90.1054, 101.5807

Triad

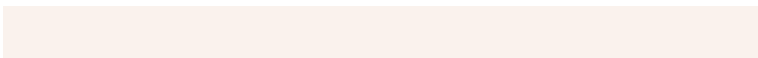
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5459, 90.1054, 98.5767



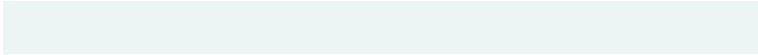
86.8461, 90.1054, 103.2050



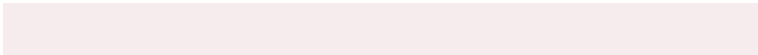
86.5616, 90.1054, 92.7345

Complementary

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



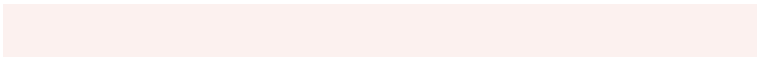
83.5459, 90.1054, 98.5767



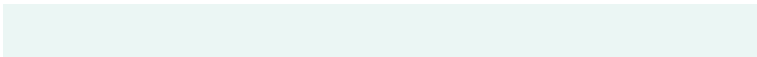
83.0038, 85.1264, 92.1815

Split Complementary

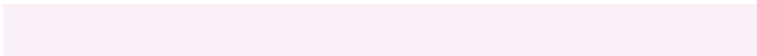
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4037, 90.1054, 94.7182



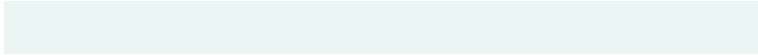
83.5459, 90.1054, 98.5767



87.5689, 90.1054, 100.7560

Square

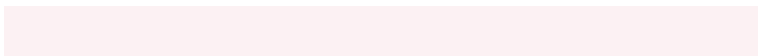
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5459, 90.1054, 98.5767



85.8055, 90.1054, 104.2890



87.7738, 90.1054, 97.6437



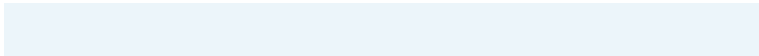
85.4797, 90.1054, 92.1790

Rectangle

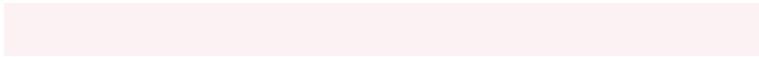
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



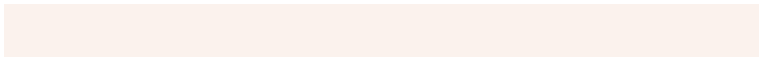
83.5459, 90.1054, 98.5767



84.4144, 90.1054, 103.1303



87.7738, 90.1054, 97.6437



86.8824, 90.1054, 93.2542

Sweetspot

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



83.5485, 90.1092, 98.5787



94.0434, 99.4897, 108.4631



82.8846, 89.9211, 91.5867



20.1398, 21.3003, 23.2202



0.0000, 0.0000, 0.0000



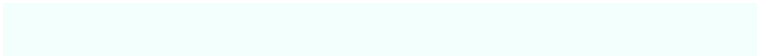
20.3446, 21.4041, 23.3091

Same Dimension

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



83.5485, 90.1092, 98.5787



90.1422, 97.5129, 106.7307



82.8045, 88.1316, 99.8402



17.5414, 19.0482, 20.8614



23.2785, 37.4562, 35.8159



2.0789, 3.3052, 3.3214

Inverse Universe

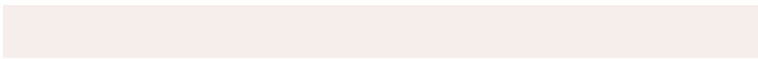
The Inverse Universe completely reimagines the original color for something new.



83.0038, 85.1264, 92.1815



89.4827, 91.4796, 98.9851



83.7200, 87.0248, 90.9836



17.3952, 17.7112, 19.1450



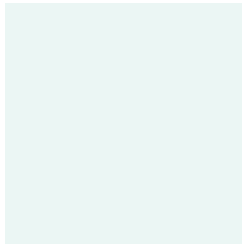
20.5735, 10.5728, 2.4623



1.8415, 0.9426, 0.3919

Previews

White Background



This preview shows how the XYZ color 83.5459, 90.1054, 98.5767 looks on a white background.

Color Contrast Check

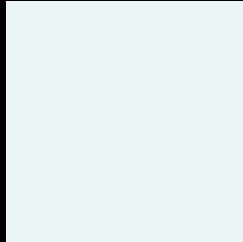
Large Text (above 18pt) WCAG AA × Fail

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 83.5459, 90.1054, 98.5767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

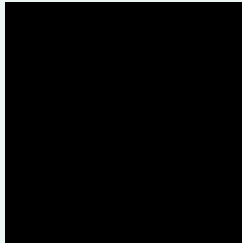
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

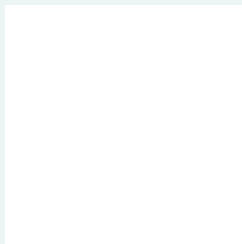
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.5459, 90.1054, 98.5767

Background



This preview shows how black text looks on a background with the XYZ color 83.5459, 90.1054, 98.5767.



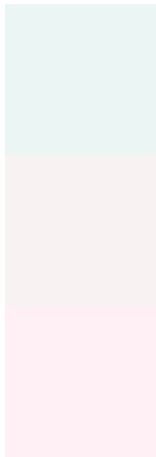
This preview shows how white text looks on a background with the XYZ color 83.5459, 90.1054,

98.5 / 67.

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

83.5459, 90.1054, 98.5767

Protanopia

86.4905, 89.8715, 96.7928

Deuteranopia

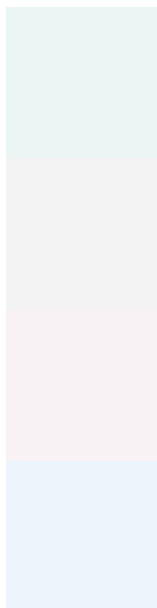
88.8815, 90.1727, 99.1067



Tritanopia

86.0358, 89.8464, 107.4153

Trichromacy



Original Color

83.5459, 90.1054, 98.5767

Protanomaly

85.1904, 89.6269, 97.6037

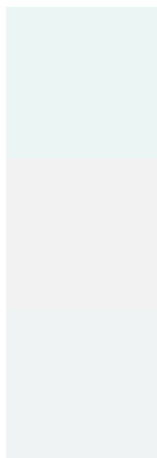
Deuteranomaly

86.9450, 90.0533, 99.1857

Tritanomaly

85.0232, 89.8435, 104.1271

Monochromacy



Original Color

83.5459, 90.1054, 98.5767

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.8249, 88.9230, 97.5398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5459, 90.1054, 98.5767 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(235, 246, 244) looks like.

```
.text, #text, p{  
    color:rgb(235, 246, 244)  
}
```

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(235, 246, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 246, 244) }
```

Border

The CSS property to change the border of an element to XYZ 83.5459, 90.1054, 98.5767 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(235, 246, 244) }
```


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

```
.border{ border-color:rgb(235, 246, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 246, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 246, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 246, 244);  
box-shadow:4px 4px 4px 4px rgb(235, 246,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5459, 90.1054, 98.5767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 246, 244) }
```

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

```
.background{ background-color: rgb(235,  
246, 244) }
```

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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