

# Converting Colors

XYZ(83.9312, 90.9158, 98.8085)

Have a look what the booklet for  
XYZ(83.9312, 90.9158, 98.8085)  
contains.

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# Color

**XYZ(83.8508, 90.7153,  
98.6784)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBF7F4
RGB	235, 247, 244
RGB Percent	92%, 97%, 96%
CMY	0.0784, 0.0314, 0.0431
CMYK	0.05, 0.00, 0.01, 0.03
HSL	165°, 43%, 95%
HSV	165°, 5%, 97%
XYZ	83.8508, 90.7153, 98.6784
YIQ	243.0700, -6.1890, -3.4770

# Conversions

## Conversions Part 2

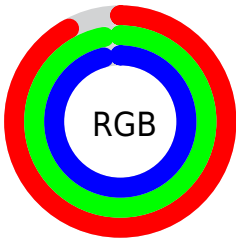
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 242, 247
Decimal	15464436
CIE Lab	96.29, -4.48, 0.06
CIE LCh	96, 4.479, 179.205
Yxy	90.7153, 0.3069, 0.3320
Android (android.graphics.Color)	4293654516 (0xFFEBF7F4)
YUV	243.0700, 0.4585, -7.0774
Hunter-Lab	95.2446, -9.5314, 5.2436

# Details

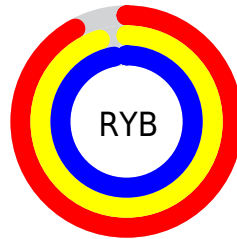
The XYZ color **83.8508, 90.7153, 98.6784** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.5020, 85.3661, 92.9694**, and the grayscale version is **85.2493, 89.6889, 97.6712**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2983, 50.4761, 54.8796** is the 20% darker color. If you saturate the color by 10%, you get **75.3329, 86.4333, 93.4639**, and if you desaturate by 10%, it is **91.7865, 94.6985, 104.0337**.

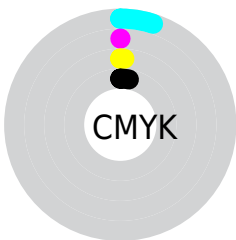
# Distribution



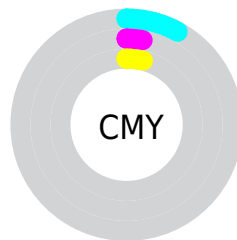
- Red (92%)
- Green (97%)
- Blue (96%)



- Red (92%)
- Yellow (95%)
- Blue (97%)



- Cyan (5%)
- Magenta (0%)
- Yellow (1%)
- Black (3%)



- Cyan (8%)
- Magenta (3%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.8508, 90.7153, 98.6784 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 83.8508, 90.7153, 98.6784 by changing the saturation by 10% instead.



83.8508, 90.7153,  
98.6784

83.8508, 90.7153,  
98.6784

496.3588,  
530.3550, 577.1576

63.2116, 68.5741,  
74.5866

137.6888,  
148.3316, 161.3758

46.2717, 50.3649,  
54.7746

171.6182,  
184.5754, 200.8185

32.6658, 35.7034,  
38.8239

210.7085,  
226.2889, 246.2151

22.0285, 24.2052,  
26.3160

255.3248,  
273.8564, 297.9844

13.9946, 15.4859,  
16.8323

305.8327,  
327.6624, 356.5447

8.1986, 9.1611,  
9.9543

362.5974,

4.2752, 4.8464,

388.0912, 422.3146

5.2635

425.9843,  
455.5273, 495.7127

■ 1.8589, 2.1574,  
2.3412

■ 0.5528, 0.6966,  
0.7542

■ 83.8508, 90.7153,  
98.6784

■ 83.8508, 90.7153,  
98.6784

■ 75.3329, 86.4333,  
93.4639

■ 91.7865, 94.6985,  
104.0337

■ 67.9296, 82.7198,  
88.4624

■ 92.5525, 95.0050,  
108.0675

■ 61.5936, 79.5530,  
83.6719

■ 56.2711, 76.9050,  
79.0884

■ 51.9036, 74.7460,  
74.7074

■ 48.4264, 73.0424,  
70.5242

■ 45.7667, 71.7569,  
66.5336

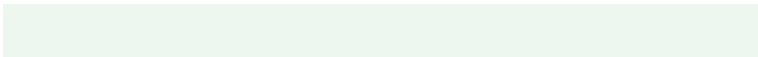
■ 43.8398, 70.8457,  
62.7301

■ 42.5415, 70.2552,  
59.1069

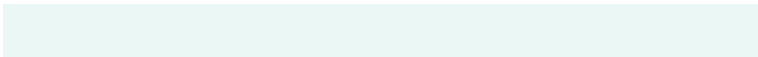
# Harmonies

## Analogous

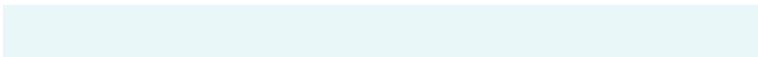
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1823, 90.7153, 95.3052



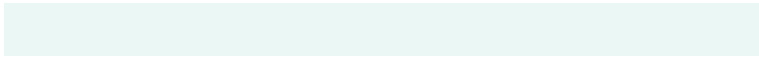
83.8508, 90.7153, 98.6784



84.1496, 90.7153, 102.1564

# Triad

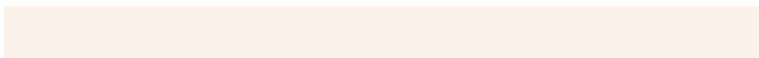
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.8508, 90.7153, 98.6784



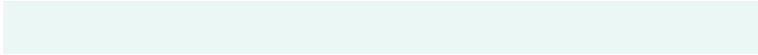
87.3954, 90.7153, 104.8791



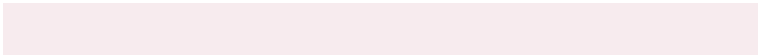
87.4535, 90.7153, 93.0011

# Complementary

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



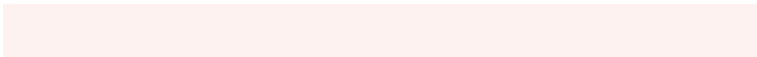
83.8508, 90.7153, 98.6784



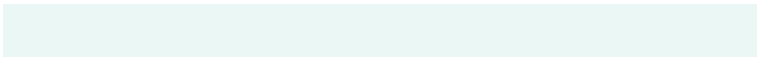
83.5020, 85.3661, 92.9694

# Split Complementary

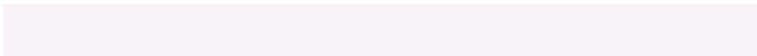
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.3285, 90.7153, 95.4662



83.8508, 90.7153, 98.6784



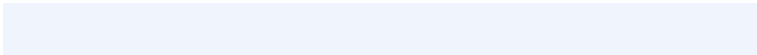
88.2947, 90.7153, 102.3250

# Square

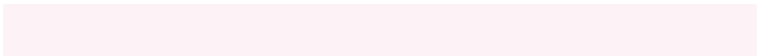
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.8508, 90.7153, 98.6784



86.1889, 90.7153, 105.7880



88.6378, 90.7153, 98.8687

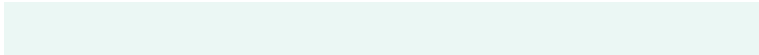


86.2554, 90.7153, 92.0762

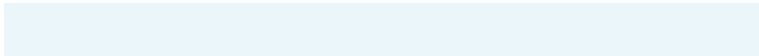


# Rectangle

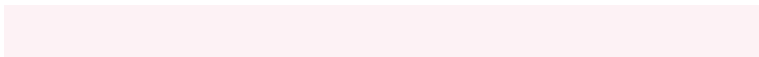
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



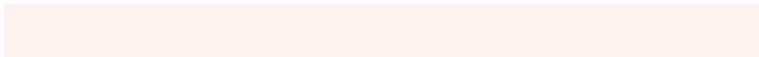
83.8508, 90.7153, 98.6784



84.6677, 90.7153, 104.0548



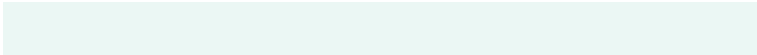
88.6378, 90.7153, 98.8687



87.7956, 90.7153, 93.6741

# Sweetspot

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



83.8534, 90.7192, 98.6804



94.0155, 99.4785, 108.3162



83.5861, 90.7355, 91.7067



20.1341, 21.2980, 23.1903



0.0000, 0.0000, 0.0000

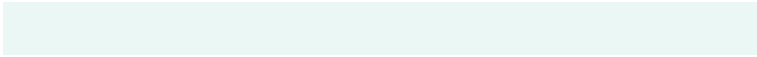


20.3446, 21.4041, 23.3091



# Same Dimension

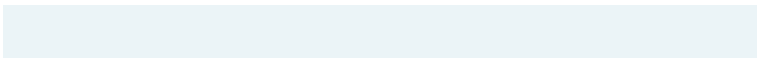
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8534, 90.7192, 98.6804



89.0330, 96.9687, 105.4328



83.4632, 89.2028, 100.8191



17.3321, 18.9459, 20.5943



22.2924, 37.0618, 30.6234



2.0002, 3.2737, 2.9068



# Inverse Universe

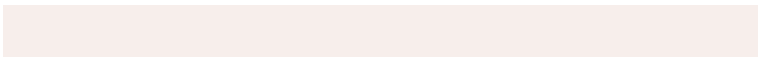
The Inverse Universe completely reimagines the original color for something new.



83.5020, 85.3661, 92.9694



88.5695, 89.9067, 97.8988



83.8725, 86.8076, 90.9335



17.2322, 17.4240, 18.9706



20.7908, 10.6598, 3.6070

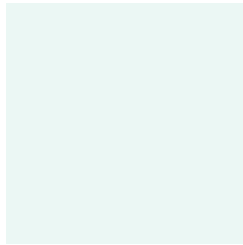


1.8669, 0.9527, 0.5254



# Previews

## White Background



This preview shows how the XYZ color 83.8508, 90.7153, 98.6784 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

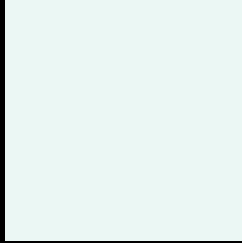
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.8508, 90.7153, 98.6784 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

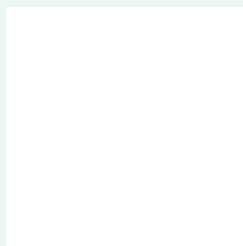
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.8508, 90.7153, 98.6784

## Background



This preview shows how black text looks on a background with the XYZ color 83.8508, 90.7153, 98.6784.



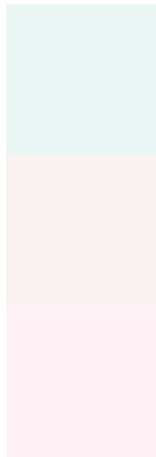
This preview shows how white text looks on a background with the XYZ color 83.8508, 90.7153,

98.6784.

# 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

83.8508, 90.7153, 98.6784

### Protanopia

87.1445, 90.6517, 96.9089

### Deuteranopia

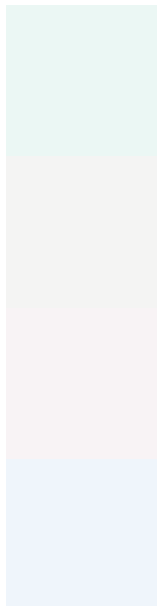
89.1767, 90.7632, 99.2051



## Tritanopia

86.6763, 90.6221, 107.5312

# Trichromacy



## Original Color

83.8508, 90.7153, 98.6784

## Protanomaly

85.8366, 90.4055, 97.7200

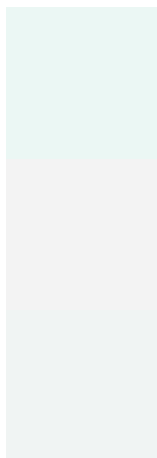
## Deuteranomaly

87.2434, 90.6502, 99.2852

## Tritanomaly

85.6616, 90.6206, 104.2435

# Monochromacy



## Original Color

83.8508, 90.7153, 98.6784

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

84.4635, 89.6977, 97.6557

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.8508, 90.7153, 98.6784 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, 247, 244) looks like.

```
.text, #text, p{  
    color:rgb(235, 247, 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, 247, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 247, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 83.8508, 90.7153, 98.6784 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, 247, 244) }
```



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

```
.border{ border-color:rgb(235, 247, 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, 247, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 247, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 247, 244);  
box-shadow:4px 4px 4px 4px rgb(235, 247,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.8508, 90.7153, 98.6784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 247, 244) }
```

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

```
.background{ background-color: rgb(235,  
247, 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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