

Converting Colors

XYZ(83.4227, 90.7632, 98.4474)

Have a look what the booklet for
XYZ(83.4227, 90.7632, 98.4474)
contains.

XYZ(83.5008, 90.9901, 98.7498)	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(83.5008, 90.9901,
98.7498)**

Conversions

Conversions Part 1

Format	Color
Hex	E9F8F4
RGB	233, 248, 244
RGB Percent	91%, 97%, 96%
CMY	0.0863, 0.0274, 0.0431
CMYK	0.06, 0.00, 0.02, 0.03
HSL	164°, 52%, 94%
HSV	164°, 6%, 97%
XYZ	83.5008, 90.9901, 98.7498
YIQ	243.0590, -7.6560, -4.4240

Conversions

Conversions Part 2

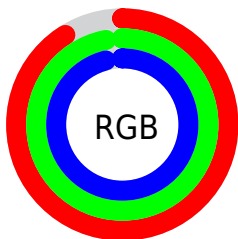
Format	Color
R_{YB}	233, 242, 248
Decimal	15333620
CIE _{Lab}	96.41, -5.64, 0.21
CIE _{LCh}	96, 5.639, 177.858
Yxy	90.9901, 0.3056, 0.3330
Android (android.graphics.Color)	4293523700 (0xFFE9F8F4)
YUV	243.0590, 0.4639, -8.8217
Hunter-Lab	95.3887, -10.6760, 5.3930

Details

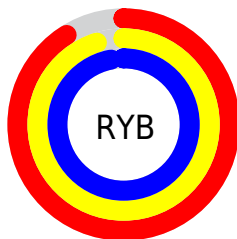
The XYZ color **83.5008, 90.9901, 98.7498** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.1397, 84.3511, 92.0246**, and the grayscale version is **85.2414, 89.6805, 97.6621**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0582, 50.6772, 54.9311** is the 20% darker color. If you saturate the color by 10%, you get **74.9803, 86.7142, 93.2004**, and if you desaturate by 10%, it is **92.1619, 95.3394, 104.4979**.

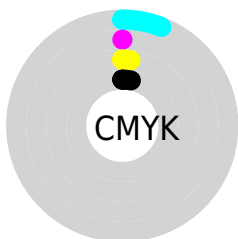
Distribution



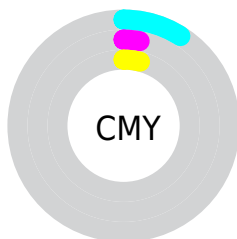
- Red (91%)
- Green (97%)
- Blue (96%)



- Red (91%)
- Yellow (95%)
- Blue (97%)



- Cyan (6%)
- Magenta (0%)
- Yellow (2%)
- Black (3%)





- Cyan (9%)
- Magenta (3%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.5008, 90.9901, 98.7498 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 83.5008, 90.9901, 98.7498 by changing the saturation by 10% instead.


 83.5008, 90.9901,
98.7498

 83.5008, 90.9901,
98.7498


495.2128,
531.2464, 577.3893

 62.9217, 68.8021,
74.6458


137.2015,
148.7129, 161.4749

 46.0363, 50.5506,
54.8228


171.0539,
185.0166, 200.9331

 32.4792, 35.8511,
38.8622


210.0613,
226.7942, 246.3465

 21.8851, 24.3192,
26.3455

254.5892,
274.4303, 298.1335

 13.8886, 15.5706,
16.8542

305.0030,
328.3091, 356.7128

 8.1244, 9.2208,
9.9698

361.6679,

 4.2271, 4.8855,

388.8151, 422.5028

5.2736

424.9494,
456.3328, 495.9221

■ 1.8314, 2.1802,
2.3471

■ 0.5365, 0.7092,
0.7574

■ 83.5008, 90.9901,
98.7498

■ 83.5008, 90.9901,
98.7498

■ 74.9803, 86.7142,
93.2004

■ 92.1619, 95.3394,
104.4979

■ 67.5837, 83.0110,
87.8882

■ 92.8591, 95.6183,
108.1697

■ 61.2625, 79.8582,
82.8108

■ 55.9620, 77.2275,
77.9636

■ 51.6223, 75.0881,
73.3417

■ 48.1772, 73.4059,
68.9401

■ 45.5519, 72.1425,
64.7530

■ 43.6588, 71.2526,
60.7743

■ 42.3894, 70.6805,
56.9966

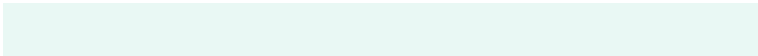
Harmonies

Analogous

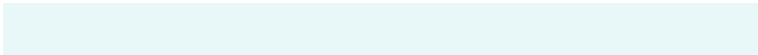
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9517, 90.9901, 94.5426



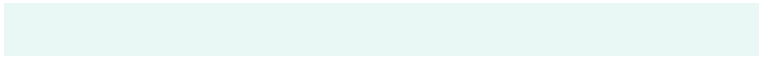
83.5008, 90.9901, 98.7498



83.8410, 90.9901, 103.1689

Triad

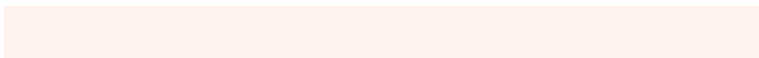
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5008, 90.9901, 98.7498



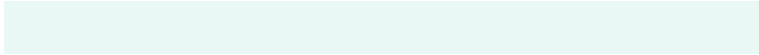
87.9020, 90.9901, 106.9169



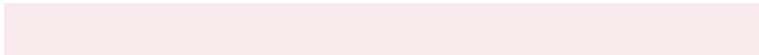
88.0999, 90.9901, 91.9292

Complementary

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



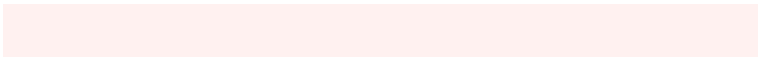
83.5008, 90.9901, 98.7498



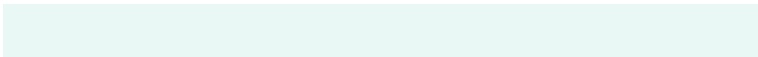
83.1397, 84.3511, 92.0246

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.



89.1806, 90.9901, 95.0865



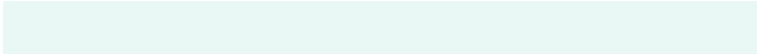
83.5008, 90.9901, 98.7498



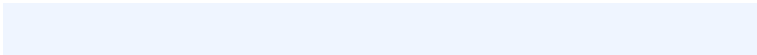
89.0654, 90.9901, 103.7453

Square

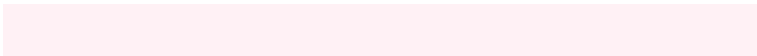
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5008, 90.9901, 98.7498



86.3705, 90.9901, 107.9684



89.5361, 90.9901, 99.3964



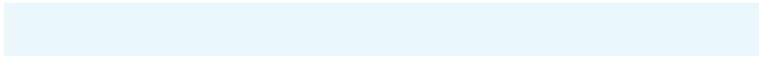
86.5963, 90.9901, 90.6796

Rectangle

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



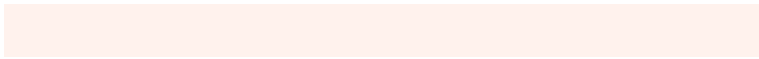
83.5008, 90.9901, 98.7498



84.4730, 90.9901, 105.6244



89.5361, 90.9901, 99.3964



88.5253, 90.9901, 92.7978

Sweetspot

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



83.5034, 90.9940, 98.7518



92.9801, 98.9582, 107.6634



83.2869, 91.0696, 90.2806



19.9233, 21.1920, 23.0575



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

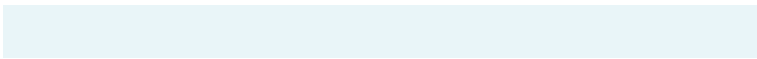
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5034, 90.9940, 98.7518



88.0276, 96.4673, 104.6176



83.1273, 89.2581, 101.6588



17.9219, 19.7084, 21.3638



22.7455, 38.1112, 30.3327



2.1506, 3.5473, 3.0407

Inverse Universe

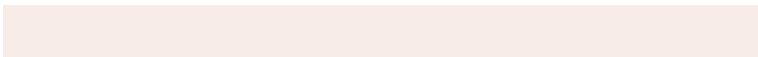
The Inverse Universe completely reimagines the original color for something new.



83.1397, 84.3511, 92.0246



87.5816, 88.3209, 96.3678



83.4899, 85.9773, 89.2870



17.8232, 17.9062, 19.5387



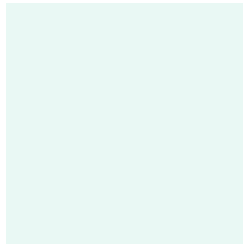
21.4954, 11.0139, 4.0511



2.0328, 1.0369, 0.5963

Previews

White Background



This preview shows how the XYZ color 83.5008, 90.9901, 98.7498 looks on a white background.

Color Contrast Check

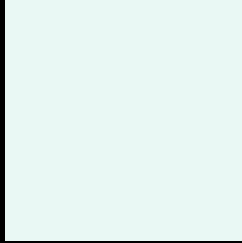
Large Text (above 18pt) WCAG AA × Fail

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 83.5008, 90.9901, 98.7498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

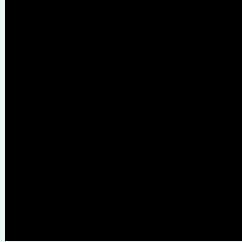
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

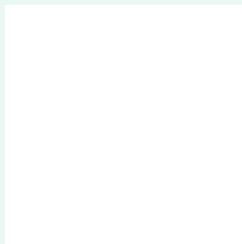
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.5008, 90.9901, 98.7498

Background



This preview shows how black text looks on a background with the XYZ color 83.5008, 90.9901, 98.7498.



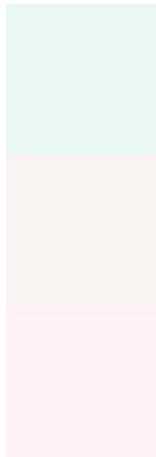
This preview shows how white text looks on a background with the XYZ color 83.5008, 90.9901,

98.7498.

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

83.5008, 90.9901, 98.7498

Protanopia

86.9947, 90.5918, 96.1199

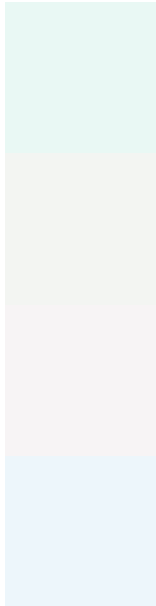
Deuteranopia

89.1767, 90.7632, 99.2051

Tritanopia

86.6376, 91.0501, 107.6159

Trichromacy



Original Color

83.5008, 90.9901, 98.7498

Protanomaly

85.6416, 90.7703, 97.0110

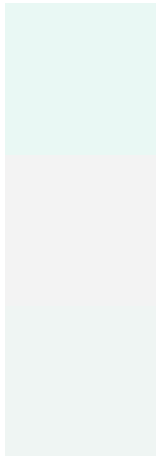
Deuteranomaly

87.1899, 91.0681, 99.3687

Tritanomaly

85.2934, 90.8811, 104.3131

Monochromacy



Original Color

83.5008, 90.9901, 98.7498

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.4267, 90.1266, 97.7404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5008, 90.9901, 98.7498 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(233, 248, 244)` looks like.

```
.text, #text, p{  
    color:rgb(233, 248, 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(233, 248, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 248, 244) }
```

Border

The CSS property to change the border of an element to XYZ 83.5008, 90.9901, 98.7498 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(233, 248, 244) }
```


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

```
.border{ border-color:rgb(233, 248, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 248, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 248, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 248, 244);  
box-shadow:4px 4px 4px 4px rgb(233, 248,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5008, 90.9901, 98.7498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 248, 244) }
```

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

```
.background{ background-color: rgb(233,  
248, 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](#).

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