

Converting Colors

XYZ(85.8988, 95.5807, 94.9953)

Have a look what the booklet for
XYZ(85.8988, 95.5807, 94.9953)
contains.

XYZ(85.7847, 95.5259, 94.8059)	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(85.7847, 95.5259,
94.8059)**

Conversions

Conversions Part 1

Format	Color
Hex	ECFFEE
RGB	236, 255, 238
RGB Percent	93%, 100%, 93%
CMY	0.0745, 0.0000, 0.0667
CMYK	0.07, 0.00, 0.07, 0.00
HSL	126°, 100%, 96%
HSV	126°, 7%, 100%
XYZ	85.7847, 95.5259, 94.8059
YIQ	247.3810, -5.8670, -9.3150

Conversions

Conversions Part 2

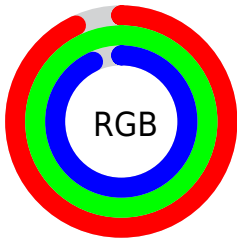
Format	Color
R _Y B	236, 253, 255
Decimal	15532014
CIE Lab	98.24, -9.23, 5.99
CIE LCh	98, 11.003, 147.008
Yxy	95.5259, 0.3107, 0.3460
Android (android.graphics.Color)	4293722094 (0xFFE0F0E0)
YUV	247.3810, -4.6248, -9.9811
Hunter-Lab	97.7374, -14.3698, 10.9044

Details

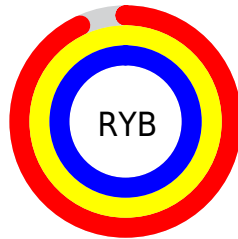
The XYZ color **85.7847, 95.5259, 94.8059** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.9655, 88.3437, 105.2914**, and the grayscale version is **88.7575, 93.3799, 101.6907**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4600, 53.4689, 52.0751** is the 20% darker color. If you saturate the color by 10%, you get **74.7711, 90.2113, 77.8874**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

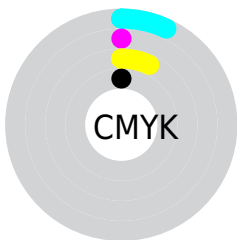
Distribution



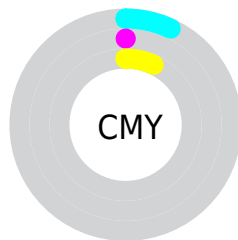
- Red (93%)
- Green (100%)
- Blue (93%)



- Red (93%)
- Yellow (99%)
- Blue (100%)



- Cyan (7%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.7847, 95.5259, 94.8059 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 85.7847, 95.5259, 94.8059 by changing the saturation by 10% instead.


 85.7847, 95.5259,
94.8059

 85.7847, 95.5259,
94.8059


502.6657,
545.8472, 564.5119

 64.8146, 72.5728,
71.3774


140.3774,
154.9910, 155.9897

 47.5749, 53.6267,
52.1665


174.7307,
192.2717, 194.5821

 33.7002, 38.3033,
36.7547


214.2758,
235.0970, 239.0663

 22.8252, 26.2182,
24.7233

259.3781,
283.8514, 289.8607

 14.5845, 16.9869,
15.6539

310.4028,
338.9192, 347.3839

 8.6127, 10.2252,
9.1279

367.7154,

 4.5445, 5.5485,

400.6849, 412.0545

4.7267

431.6813,
469.5327, 484.2910

■ 2.0146, 2.5725,
2.0319

■ 0.6421, 0.9129,
0.5748

■ 85.7847, 95.5259,
94.8059

■ 85.7847, 95.5259,
94.8059

■ 74.7711, 90.2113,
77.8874

95.0500, 100.0000,
108.9000

■ 65.3236, 85.6567,
63.1755

■ 57.3715, 81.8278,
50.5808

■ 50.8379, 78.6869,
40.0058

■ 45.6389, 76.1930,
31.3453

■ 41.6818, 74.3008,
24.4848

■ 38.8618, 72.9590,
19.2975

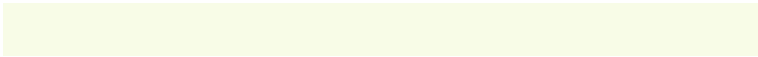
■ 37.0568, 72.1076,
15.6400

■ 36.1112, 71.6699,
13.3447

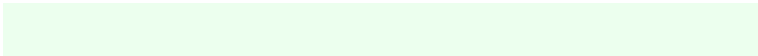
Harmonies

Analogous

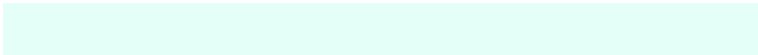
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0586, 95.5259, 89.2418



85.7847, 95.5259, 94.8059



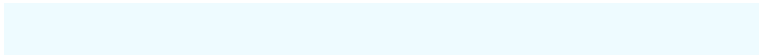
84.8511, 95.5259, 103.1044

Triad

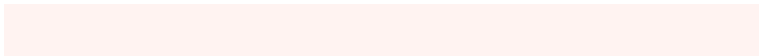
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.7847, 95.5259, 94.8059



90.4772, 95.5259, 122.4075



96.3257, 95.5259, 96.2950

Complementary

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



85.7847, 95.5259, 94.8059



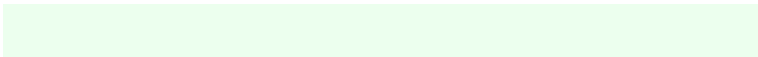
88.9655, 88.3437, 105.2914

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.



97.0091, 95.5259, 104.9239



85.7847, 95.5259, 94.8059



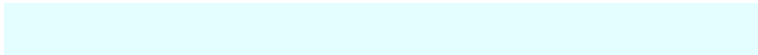
93.5865, 95.5259, 120.3269

Square

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



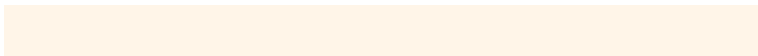
85.7847, 95.5259, 94.8059



87.5206, 95.5259, 119.3272



95.9957, 95.5259, 113.7944



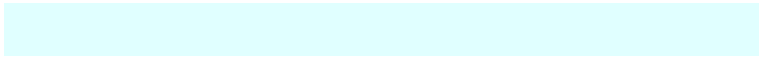
94.1491, 95.5259, 90.0658

Rectangle

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



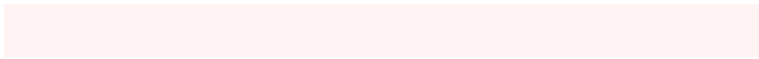
85.7847, 95.5259, 94.8059



85.0979, 95.5259, 109.1939



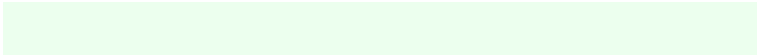
95.9957, 95.5259, 113.7944



96.7398, 95.5259, 98.9957

Sweetspot

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



85.7855, 95.5263, 94.8074



92.4724, 98.7551, 104.9899



91.4451, 98.4777, 93.5466



19.8199, 21.1507, 22.5132



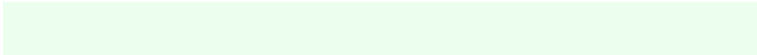
0.0000, 0.0000, 0.0000



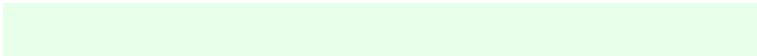
20.3446, 21.4041, 23.3091

Same Dimension

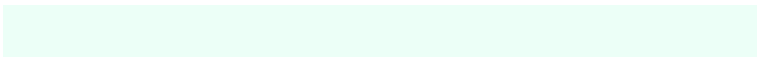
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7855, 95.5263, 94.8074



83.9733, 94.6515, 92.0372



87.2030, 96.0933, 102.2720



17.8493, 20.1992, 19.5093



18.8128, 37.4217, 6.8997



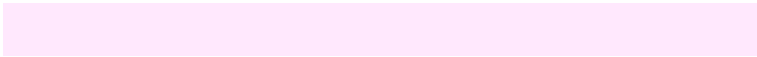
1.8561, 3.6534, 0.8001

Inverse Universe

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



88.9655, 88.3437, 105.2914



87.7741, 86.0667, 104.5676



87.5045, 87.7593, 97.5979



18.7054, 18.2655, 22.3318



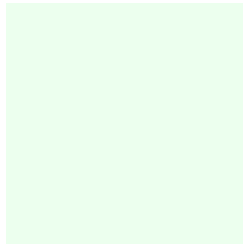
28.9105, 14.0535, 39.7745



2.8376, 1.3774, 3.9922

Previews

White Background



This preview shows how the XYZ color 85.7847, 95.5259, 94.8059 looks on a white background.

Color Contrast Check

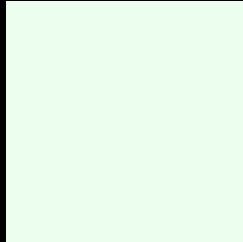
Large Text (above 18pt) WCAG AA × Fail

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 85.7847, 95.5259, 94.8059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

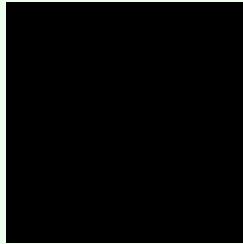
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

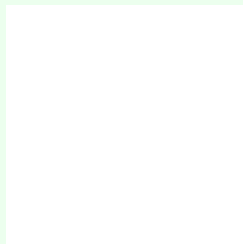
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.7847, 95.5259, 94.8059

Background



This preview shows how black text looks on a background with the XYZ color 85.7847, 95.5259, 94.8059.



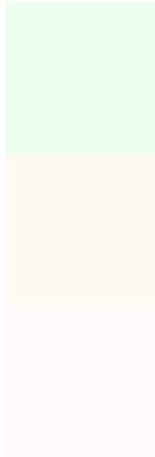
This preview shows how white text looks on a background with the XYZ color 85.7847, 95.5259,

94.859.

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

85.7847, 95.5259, 94.8059

Protanopia

90.8439, 95.3026, 96.0453

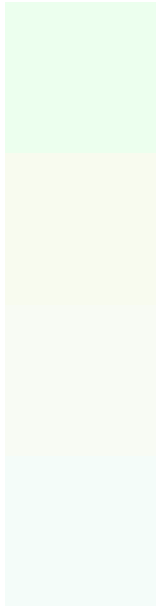
Deuteranopia

91.7507, 95.1721, 102.3412

Tritanopia

90.9470, 95.5477, 108.2569

Trichromacy



Original Color

85.7847, 95.5259, 94.8059

Protanomaly

88.7886, 95.1828, 95.3538

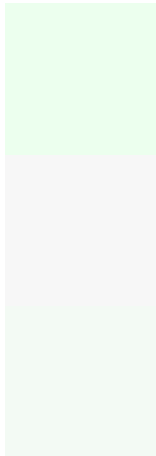
Deuteranomaly

89.5377, 95.4825, 99.2988

Tritanomaly

89.2175, 95.6935, 103.3910

Monochromacy



Original Color

85.7847, 95.5259, 94.8059

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

87.4769, 93.9576, 99.1130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.7847, 95.5259, 94.8059 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(236, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 238)  
}
```

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(236, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 238) }
```

Border

The CSS property to change the border of an element to XYZ 85.7847, 95.5259, 94.8059 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(236, 255, 238) }
```


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

```
.border{ border-color:rgb(236, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 85.7847, 95.5259, 94.8059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 238) }
```

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

```
.background{ background-color: rgb(236,  
255, 238) }
```

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