

Converting Colors

XYZ(88.1837, 100.0000,
94.9826)

Have a look what the booklet for
XYZ(88.1837, 100.0000, 94.9826)
contains.

XYZ(85.9711, 95.6389, 94.0498)	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(85.9711, 95.6389,
94.0498)**

Conversions

Conversions Part 1

Format	Color
Hex	EDFFED
RGB	237, 255, 237
RGB Percent	93%, 100%, 93%
CMY	0.0706, 0.0000, 0.0706
CMYK	0.07, 0.00, 0.07, 0.00
HSL	120°, 100%, 96%
HSV	120°, 7%, 100%
XYZ	85.9711, 95.6389, 94.0498
YIQ	247.5660, -4.9500, -9.4140

Conversions

Conversions Part 2

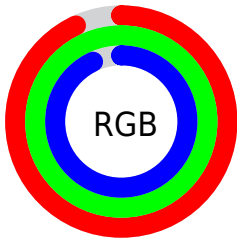
Format	Color
R _Y B	237, 255, 255
Decimal	15597549
CIE Lab	98.29, -9.07, 6.58
CIE LCh	98, 11.207, 144.058
Yxy	95.6389, 0.3119, 0.3469
Android (android.graphics.Color)	4293787629 (0xFFEDFFED)
YUV	247.5660, -5.2090, -9.2664
Hunter-Lab	97.7951, -14.2233, 11.4373

Details

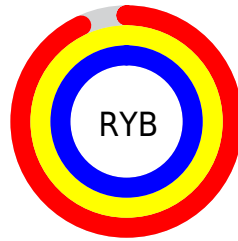
The XYZ color **85.9711, 95.6389, 94.0498** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.5746, 89.0493, 107.0746**, and the grayscale version is **88.9124, 93.5428, 101.8681**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.5906, 53.5481, 51.5436** is the 20% darker color. If you saturate the color by 10%, you get **74.5889, 90.1715, 75.4324**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

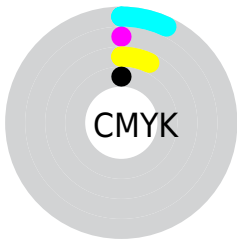
Distribution



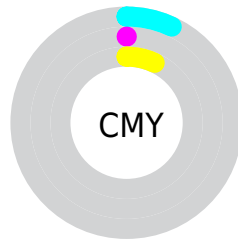
- Red (93%)
- Green (100%)
- Blue (93%)



- Red (93%)
- Yellow (100%)
- 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 85.9711, 95.6389, 94.0498 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 85.9711, 95.6389, 94.0498 by changing the saturation by 10% instead.

85.9711, 95.6389,
94.0498

85.9711, 95.6389,
94.0498

503.2713,
546.2083, 562.0250

64.9693, 72.6668,
70.7519

140.6362,
155.1470, 154.9355

47.7008, 53.7036,
51.6591

175.0302,
192.4518, 193.3603

33.8002, 38.3647,
36.3531

214.6189,
235.3030, 237.6645

22.9023, 26.2659,
24.4152

259.7677,
284.0849, 288.2666

14.6417, 17.0227,
15.4268

310.8420,
339.1820, 345.5852

8.6530, 10.2507,
8.9696

368.2072,

4.5708, 5.5655,

400.9787, 410.0387

4.6248

432.2285,
469.8593, 482.0458

■ 2.0299, 2.5827,
1.9740

■ 0.6507, 0.9180,
0.5392

■ 85.9711, 95.6389,
94.0498

■ 85.9711, 95.6389,
94.0498

■ 74.5889, 90.1715,
75.4324

95.0500, 100.0000,
108.9000

■ 64.8733, 85.5046,
59.5409

■ 56.7470, 81.6011,
46.2488

■ 50.1254, 78.4204,
35.4179

■ 44.9161, 75.9181,
26.8971

■ 41.0167, 74.0451,
20.5189

■ 38.3109, 72.7453,
16.0928

■ 36.6618, 71.9532,
13.3954

■ 35.8950, 71.5849,
12.1410

Harmonies

Analogous

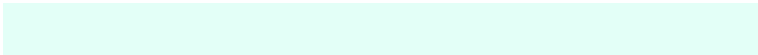
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3962, 95.6389, 88.7383



85.9711, 95.6389, 94.0498



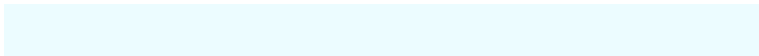
84.8699, 95.6389, 102.3059

Triad

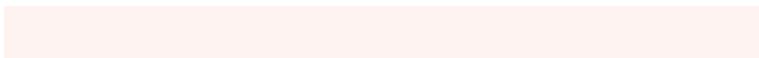
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.9711, 95.6389, 94.0498



90.2612, 95.6389, 122.8251



96.6854, 95.6389, 97.0580

Complementary

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



85.9711, 95.6389, 94.0498



89.5746, 89.0493, 107.0746

Split Complementary

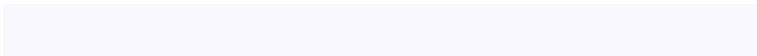
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.2132, 95.6389, 105.9847



85.9711, 95.6389, 94.0498



93.4545, 95.6389, 121.2158

Square

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



85.9711, 95.6389, 94.0498



87.3088, 95.6389, 119.1918



96.0177, 95.6389, 114.9155



94.5922, 95.6389, 90.4019

Rectangle

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



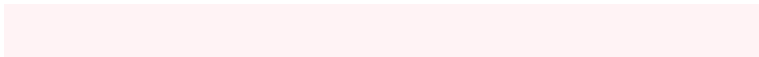
85.9711, 95.6389, 94.0498



85.0156, 95.6389, 108.5102



96.0177, 95.6389, 114.9155



97.0538, 95.6389, 99.8781

Sweetspot

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



85.9719, 95.6393, 94.0513



92.3882, 98.7214, 104.5461



92.2863, 98.8945, 94.3465



19.8027, 21.1438, 22.4228



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.



85.9719, 95.6393, 94.0513



84.8267, 95.0892, 92.1781



87.3203, 96.1787, 101.1515



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2286



1.8193, 3.6387, 0.6065

Inverse Universe

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



89.5746, 89.0493, 107.0746



88.8839, 87.6678, 106.8443



88.1593, 88.4832, 99.6219



18.7927, 18.3004, 22.7917



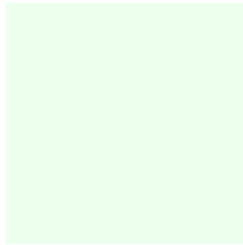
30.9799, 14.8812, 50.6719



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 85.9711, 95.6389, 94.0498 looks on a white background.

Color Contrast Check

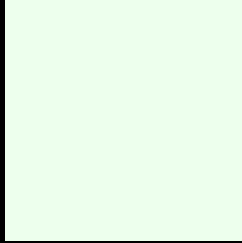
Large Text (above 18pt) WCAG AA × Fail

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 85.9711, 95.6389, 94.0498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

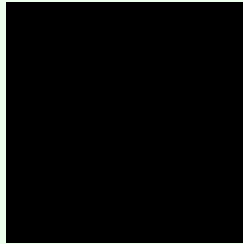
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

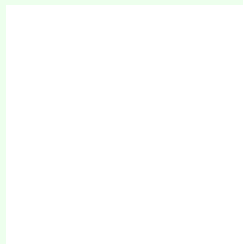
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.9711, 95.6389, 94.0498

Background



This preview shows how black text looks on a background with the XYZ color 85.9711, 95.6389, 94.0498.



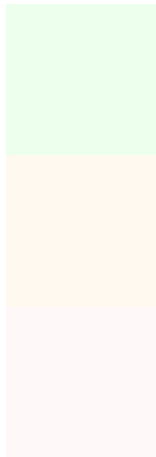
This preview shows how white text looks on a background with the XYZ color 85.9711, 95.6389,

94.0498.

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

85.9711, 95.6389, 94.0498

Protanopia

90.8439, 95.3026, 96.0453

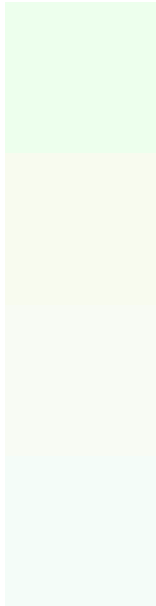
Deuteranopia

91.7507, 95.1721, 102.3412

Tritanopia

90.9470, 95.5477, 108.2569

Trichromacy



Original Color

85.9711, 95.6389, 94.0498

Protanomaly

88.7886, 95.1828, 95.3538

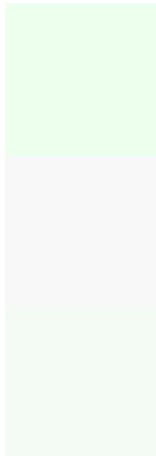
Deuteranomaly

89.5377, 95.4825, 99.2988

Tritanomaly

89.0619, 95.6312, 102.5715

Monochromacy



Original Color

85.9711, 95.6389, 94.0498

Achromatopsia

89.2221, 93.8686, 102.2229

Achromatomaly

88.1345, 94.7591, 99.2331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.9711, 95.6389, 94.0498 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(237, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 237)  
}
```

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(237, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 237) }
```

Border

The CSS property to change the border of an element to XYZ 85.9711, 95.6389, 94.0498 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(237, 255, 237) }
```


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

```
.border{ border-color:rgb(237, 255, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 85.9711, 95.6389, 94.0498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 237) }
```

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

```
.background{ background-color: rgb(237,  
255, 237) }
```

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