

Converting Colors

XYZ(98.9374, 122.1488,
93.1920)

Have a look what the booklet for
XYZ(98.9374, 122.1488, 93.1920)
contains.

XYZ(85.6395, 95.5839, 88.7988)	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(85.6395, 95.5839,
88.7988)**

Conversions

Conversions Part 1

Format	Color
Hex	EFFFE6
RGB	239, 255, 230
RGB Percent	94%, 100%, 90%
CMY	0.0627, 0.0000, 0.0980
CMYK	0.06, 0.00, 0.10, 0.00
HSL	98°, 100%, 95%
HSV	98°, 10%, 100%
XYZ	85.6395, 95.5839, 88.7988
YIQ	247.3660, -1.5110, -11.1670

Conversions

Conversions Part 2

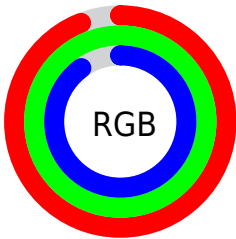
Format	Color
R _Y B	230, 255, 246
Decimal	15728614
CIE Lab	98.27, -9.60, 10.15
CIE LCh	98, 13.974, 133.400
Yxy	95.5839, 0.3172, 0.3540
Android (android.graphics.Color)	4293918694 (0xFFEFFFE6)
YUV	247.3660, -8.5614, -7.3370
Hunter-Lab	97.7670, -14.7343, 14.5856

Details

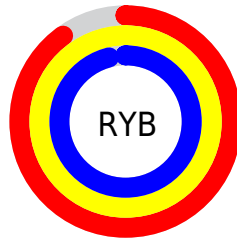
The XYZ color **85.6395, 95.5839, 88.7988** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.3537, 83.4077, 106.2611**, and the grayscale version is **88.7737, 93.3969, 101.7092**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3625, 53.5114, 47.8769** is the 20% darker color. If you saturate the color by 10%, you get **77.0527, 91.5411, 71.0510**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

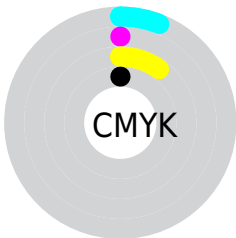
Distribution



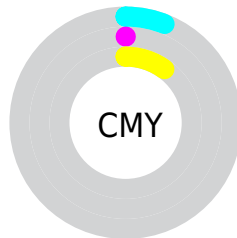
- Red (94%)
- Green (100%)
- Blue (90%)



- Red (90%)
- Yellow (100%)
- Blue (96%)



- Cyan (6%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.6395, 95.5839, 88.7988 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 85.6395, 95.5839, 88.7988 by changing the saturation by 10% instead.


 85.6395, 95.5839,
88.7988

 85.6395, 95.5839,
88.7988


502.1936,
546.0326, 544.5845

 64.6942, 72.6211,
66.4167


140.1757,
155.0710, 147.5896

 47.4769, 53.6662,
48.1521


174.4974,
192.3641, 184.8355

 33.6224, 38.3348,
33.5865


214.0085,
235.2027, 227.8730

 22.7652, 26.2427,
22.3014

259.0744,
283.9713, 277.1207

 14.5399, 17.0053,
13.8781

310.0605,
339.0541, 332.9972

 8.5813, 10.2382,
7.8981

367.3322,

 4.5240, 5.5572,

400.8357, 395.9210

3.9430

431.2548,
469.7004, 466.3106

■ 2.0027, 2.5778,
1.5941

■ 0.6355, 0.9155,
0.2866

■ 85.6395, 95.5839,
88.7988

■ 85.6395, 95.5839,
88.7988

■ 77.0527, 91.5411,
71.0510

95.0500, 100.0000,
108.9000

■ 69.4509, 87.9483,
55.9642

■ 62.7968, 84.7890,
43.4110

■ 57.0499, 82.0452,
33.2522

■ 52.1662, 79.6978,
25.3351

■ 48.0979, 77.7257,
19.4891

■ 44.7912, 76.1055,
15.5194

■ 42.1846, 74.8104,
13.1939

■ 40.1884, 73.8026,
12.1416

Harmonies

Analogous

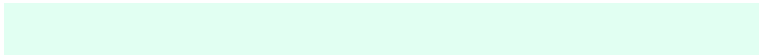
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0694, 95.5839, 83.9838



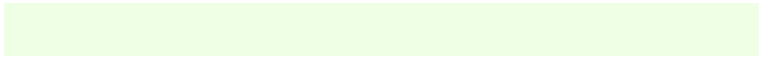
85.6395, 95.5839, 88.7988



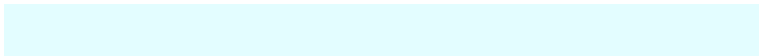
83.6388, 95.5839, 97.8750

Triad

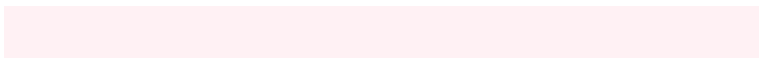
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6395, 95.5839, 88.7988



88.6583, 95.5839, 126.7729



98.5814, 95.5839, 99.0264

Complementary

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



85.6395, 95.5839, 88.7988



84.3537, 83.4077, 106.2611

Split Complementary

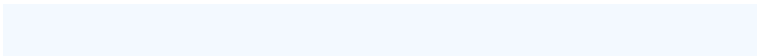
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.4634, 95.5839, 110.5307



85.6395, 95.5839, 88.7988



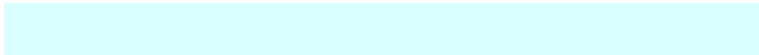
92.6534, 95.5839, 127.1384

Square

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



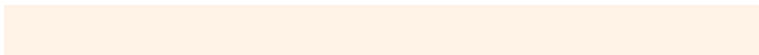
85.6395, 95.5839, 88.7988



85.3462, 95.5839, 120.0443



96.2669, 95.5839, 121.0090



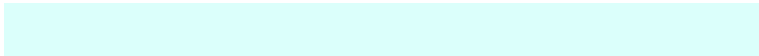
96.5847, 95.5839, 89.5880

Rectangle

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



85.6395, 95.5839, 88.7988



83.3471, 95.5839, 105.3934



96.2669, 95.5839, 121.0090



98.7894, 95.5839, 102.7669

Sweetspot

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



85.6402, 95.5842, 88.8002



92.0642, 98.6002, 102.4586



88.4285, 92.7839, 88.1128



19.5381, 21.0260, 21.5712



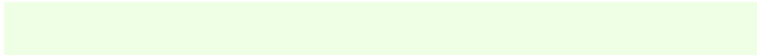
0.0000, 0.0000, 0.0000



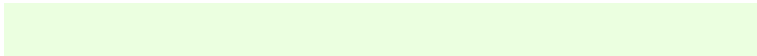
20.3446, 21.4041, 23.3091

Same Dimension

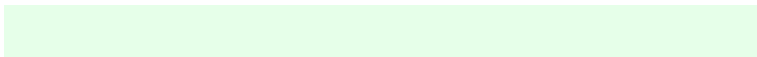
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6402, 95.5842, 88.8002



83.6673, 94.6566, 84.6666



83.1497, 94.2457, 91.1508



18.3887, 20.4863, 19.1294



21.1290, 38.6305, 6.3428



2.1715, 3.8202, 0.6229

Inverse Universe

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



84.3537, 83.4077, 106.2611



82.1160, 79.9768, 105.7168



87.0553, 84.8619, 103.6106



18.1212, 17.9542, 22.7604



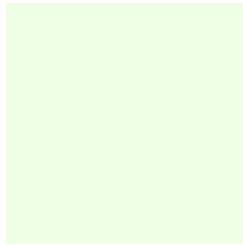
17.5144, 7.9395, 50.0439



1.8248, 0.8346, 4.8782

Previews

White Background



This preview shows how the XYZ color 85.6395, 95.5839, 88.7988 looks on a white background.

Color Contrast Check

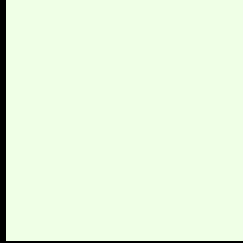
Large Text (above 18pt) WCAG AA × Fail

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 85.6395, 95.5839, 88.7988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

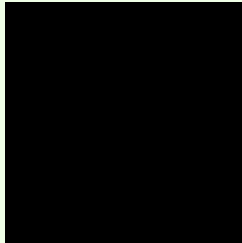
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

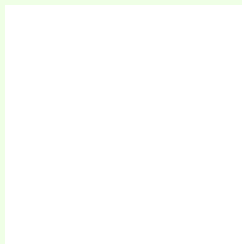
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.6395, 95.5839, 88.7988

Background



This preview shows how black text looks on a background with the XYZ color 85.6395, 95.5839, 88.7988.



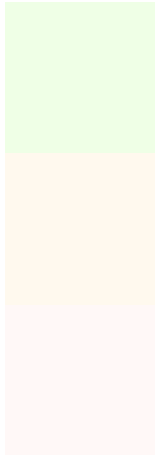
This preview shows how white text looks on a background with the XYZ color 85.6395, 95.5839,

88.7988.

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

85.6395, 95.5839, 88.7988

Protanopia

90.5483, 95.1844, 94.4889

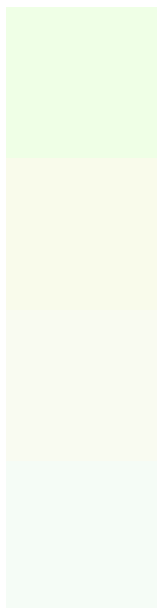
Deuteranopia

91.5959, 95.1102, 101.5262

Tritanopia

91.3025, 95.7310, 108.2735

Trichromacy



Original Color

85.6395, 95.5839, 88.7988

Protanomaly

88.5595, 95.1323, 92.2920

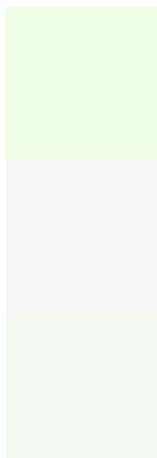
Deuteranomaly

89.4413, 95.4850, 96.9355

Tritanomaly

89.1011, 95.6871, 100.9621

Monochromacy



Original Color

85.6395, 95.5839, 88.7988

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

87.3710, 93.9552, 96.7493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.6395, 95.5839, 88.7988 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(239, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 230)  
}
```

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(239, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 230) }
```

Border

The CSS property to change the border of an element to XYZ 85.6395, 95.5839, 88.7988 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(239, 255, 230) }
```


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

```
.border{ border-color:rgb(239, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 85.6395, 95.5839, 88.7988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 230) }
```

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

```
.background{ background-color: rgb(239,  
255, 230) }
```

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