

Converting Colors

XYZ(85.9153, 100.0372,
90.1145)

Have a look what the booklet for
XYZ(85.9153, 100.0372, 90.1145)
contains.

XYZ(83.1388, 94.2784, 89.4170)	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(83.1388, 94.2784,
89.4170)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FFE7
RGB	231, 255, 231
RGB Percent	91%, 100%, 91%
CMY	0.0941, 0.0000, 0.0941
CMYK	0.09, 0.00, 0.09, 0.00
HSL	120°, 100%, 95%
HSV	120°, 9%, 100%
XYZ	83.1388, 94.2784, 89.4170
YIQ	245.0880, -6.6000, -12.5520

Conversions

Conversions Part 2

Format	Color
R_{YB}	231, 255, 255
Decimal	15204327
CIE _{Lab}	97.74, -12.10, 8.82
CIE _{LCh}	98, 14.970, 143.902
Yxy	94.2784, 0.3116, 0.3533
Android (android.graphics.Color)	4293394407 (0xFFE7FFE7)
YUV	245.0880, -6.9454, -12.3552
Hunter-Lab	97.0971, -17.0803, 13.3676

Details

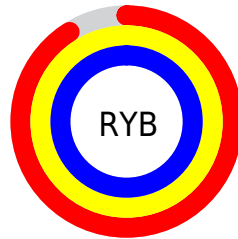
The XYZ color **83.1388, 94.2784, 89.4170** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **87.8663, 85.6327, 106.5051**, and the grayscale version is **86.9193, 91.4459, 99.5846**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6111, 52.5973, 48.3058** is the 20% darker color. If you saturate the color by 10%, you get **72.1556, 89.0027, 71.4523**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

Distribution



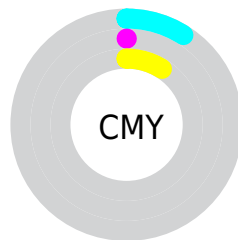
- Red (91%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (100%)



- Cyan (9%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.1388, 94.2784, 89.4170 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 83.1388, 94.2784, 89.4170 by changing the saturation by 10% instead.

83.1388, 94.2784,
89.4170

83.1388, 94.2784,
89.4170

494.0259,
541.8523, 546.6536

62.6220, 71.5345,
66.9262

136.6974,
153.2673, 148.4568

45.7929, 52.7785,
48.5635

170.4698,
190.2811, 185.8428

32.2864, 37.6260,
33.9102

209.3915,
232.8204, 229.0310

21.7370, 25.6925,
22.5478

253.8277,
281.2695, 278.4400

13.7793, 16.5938,
14.0578

304.1440,
336.0129, 334.4882

8.0480, 9.9453,
8.0217

360.7055,

4.1777, 5.3627,

397.4349, 397.5941

4.0208

423.8777,
465.9199, 468.1764

■ 1.8032, 2.4616,
1.6368

■ 0.5196, 0.8573,
0.3169

■ 83.1388, 94.2784,
89.4170

■ 83.1388, 94.2784,
89.4170

■ 72.1556, 89.0027,
71.4523

95.0500, 100.0000,
108.9000

■ 62.8213, 84.5189,
56.1842

■ 55.0568, 80.7892,
43.4841

■ 48.7762, 77.7723,
33.2109

■ 43.8848, 75.4227,
25.2100

■ 40.2773, 73.6899,
19.3093

■ 37.8334, 72.5160,
15.3117

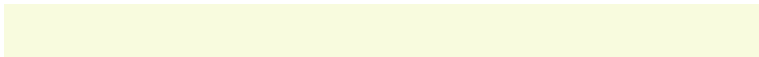
■ 36.4099, 71.8322,
12.9832

■ 35.7870, 71.5330,
11.9643

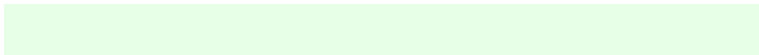
Harmonies

Analogous

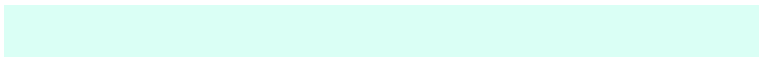
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3240, 94.2784, 82.6267



83.1388, 94.2784, 89.4170



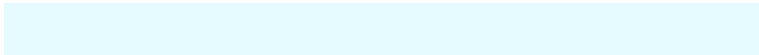
81.6924, 94.2784, 100.1763

Triad

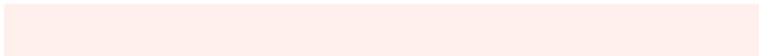
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1388, 94.2784, 89.4170



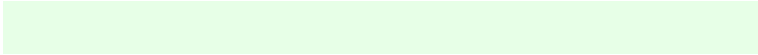
88.7397, 94.2784, 127.8466



97.3244, 94.2784, 93.4200

Complementary

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



83.1388, 94.2784, 89.4170



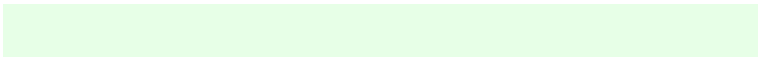
87.8663, 85.6327, 106.5051

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.



98.0208, 94.2784, 105.1704



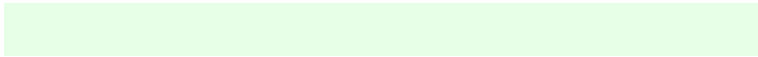
83.1388, 94.2784, 89.4170



92.9759, 94.2784, 125.6792

Square

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



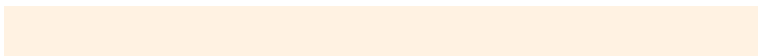
83.1388, 94.2784, 89.4170



84.8594, 94.2784, 122.8431



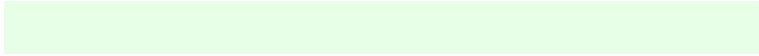
96.4060, 94.2784, 117.1350



94.5322, 94.2784, 84.8063

Rectangle

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



83.1388, 94.2784, 89.4170



81.8749, 94.2784, 108.4055



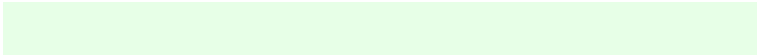
96.4060, 94.2784, 117.1350



97.8149, 94.2784, 97.1080

Sweetspot

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



83.1396, 94.2788, 89.4185



91.0839, 98.0949, 102.4128



91.4240, 98.5496, 89.8059



19.2746, 20.8901, 21.5589



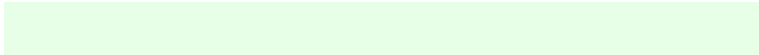
0.0000, 0.0000, 0.0000



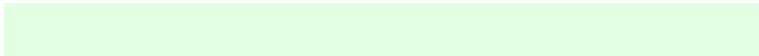
20.3446, 21.4041, 23.3091

Same Dimension

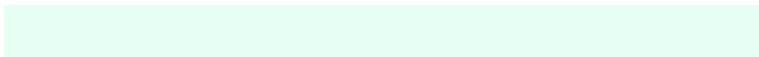
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1396, 94.2788, 89.4185



81.2811, 93.3861, 86.3785



84.8933, 94.9803, 98.6533



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2285



1.8193, 3.6387, 0.6065

Inverse Universe

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



87.8663, 85.6327, 106.5051



86.7453, 83.3908, 106.1314



85.9941, 84.8838, 96.6465



18.7927, 18.3004, 22.7917



30.9800, 14.8813, 50.6725



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 83.1388, 94.2784, 89.4170 looks on a white background.

Color Contrast Check

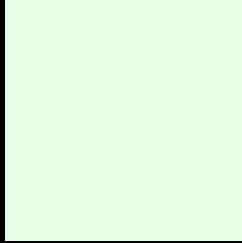
Large Text (above 18pt) WCAG AA × Fail

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 83.1388, 94.2784, 89.4170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

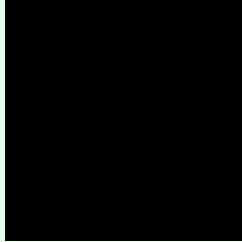
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

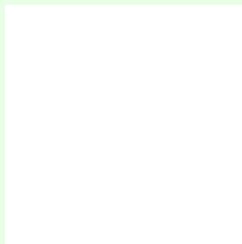
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.1388, 94.2784, 89.4170

Background



This preview shows how black text looks on a background with the XYZ color 83.1388, 94.2784, 89.4170.



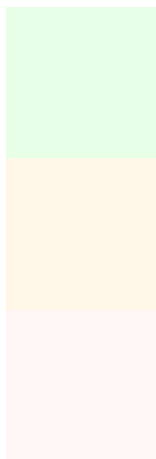
This preview shows how white text looks on a background with the XYZ color 83.1388, 94.2784,

89.470.

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

83.1388, 94.2784, 89.4170

Protanopia

89.5154, 94.2780, 90.5703

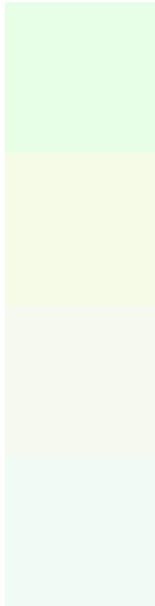
Deuteranopia

90.6772, 93.7641, 99.7053

Tritanopia

89.5819, 94.3838, 108.1042

Trichromacy



Original Color

83.1388, 94.2784, 89.4170

Protanomaly

87.0687, 94.4134, 89.9785

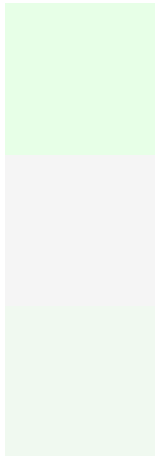
Deuteranomaly

87.6099, 93.6355, 95.8940

Tritanomaly

87.0669, 94.1734, 100.7772

Monochromacy



Original Color

83.1388, 94.2784, 89.4170

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.5390, 92.5679, 95.7971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.1388, 94.2784, 89.4170 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(231, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 231)  
}
```

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(231, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 231) }
```

Border

The CSS property to change the border of an element to XYZ 83.1388, 94.2784, 89.4170 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(231, 255, 231) }
```


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

```
.border{ border-color:rgb(231, 255, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 83.1388, 94.2784, 89.4170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 231) }
```

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

```
.background{ background-color: rgb(231,  
255, 231) }
```

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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