

Converting Colors

XYZ(85.4959, 100.0000,
84.8198)

Have a look what the booklet for
XYZ(85.4959, 100.0000, 84.8198)
contains.

XYZ(82.3580, 94.0035, 83.6158)	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(82.3580, 94.0035,
83.6158)**

Conversions

Conversions Part 1

Format	Color
Hex	E8FFDF
RGB	232, 255, 223
RGB Percent	91%, 100%, 87%
CMY	0.0902, 0.0000, 0.1255
CMYK	0.09, 0.00, 0.13, 0.00
HSL	103°, 100%, 94%
HSV	103°, 13%, 100%
XYZ	82.3580, 94.0035, 83.6158
YIQ	244.4750, -3.4360, -14.8280

Conversions

Conversions Part 2

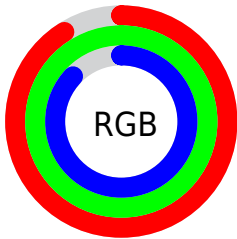
Format	Color
R _Y B	223, 255, 246
Decimal	15269855
CIE Lab	97.63, -13.12, 12.77
CIE LCh	98, 18.309, 135.775
Yxy	94.0035, 0.3168, 0.3616
Android (android.graphics.Color)	4293459935 (0xFFE8FFDF)
YUV	244.4750, -10.5872, -10.9406
Hunter-Lab	96.9554, -18.0465, 16.7362

Details

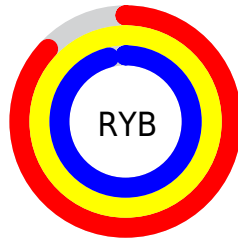
The XYZ color **82.3580, 94.0035, 83.6158** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **82.4445, 79.5894, 105.6247**, and the grayscale version is **86.4532, 90.9555, 99.0505**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.1665, 52.4454, 44.7882** is the 20% darker color. If you saturate the color by 10%, you get **73.5319, 89.8213, 66.5871**, and if you desaturate by 10%, it is **92.3238, 98.7134, 103.4034**.

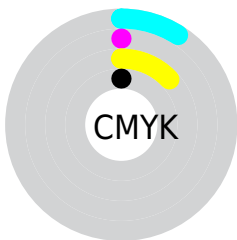
Distribution



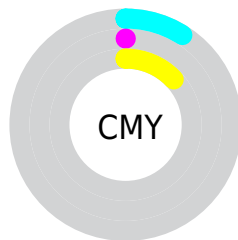
- Red (91%)
- Green (100%)
- Blue (87%)



- Red (87%)
- Yellow (100%)
- Blue (96%)



- Cyan (9%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.3580, 94.0035, 83.6158 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 82.3580, 94.0035, 83.6158 by changing the saturation by 10% instead.


 82.3580, 94.0035,
83.6158

 82.3580, 94.0035,
83.6158

491.4608,
540.9699, 527.0612

 61.9758, 71.3059,
62.1547


135.6091,
152.8872, 140.2945

 45.2687, 52.5918,
44.7211


169.2088,
189.8420, 176.3493

 31.8713, 37.4770,
30.8965


207.9449,
232.3180, 218.1057

 21.4183, 25.5771,
20.2622

252.1829,
280.6997, 265.9823

 13.5443, 16.5075,
12.3998

302.2881,
335.3713, 320.3976

 7.8840, 9.8840,
6.8908

358.6260,

 4.0720, 5.3221,

396.7172, 381.7701

3.3165

421.5617,
465.1220, 450.5185

■ 1.7429, 2.4375,
1.2584

■ 0.4829, 0.8451,
0.0273

■ 82.3580, 94.0035,
83.6158

■ 82.3580, 94.0035,
83.6158

■ 73.5319, 89.8213,
66.5871

■ 92.3238, 98.7134,
103.4034

■ 65.8015, 86.1468,
52.1906

95.0500, 100.0000,
108.9000

■ 59.1228, 82.9601,
40.2961

■ 53.4477, 80.2397,
30.7606

■ 48.7245, 77.9622,
23.4267

■ 44.8962, 76.1022,
18.1176

■ 41.8988, 74.6310,
14.6296

■ 39.6581, 73.5160,
12.7160

■ 38.4115, 72.8869,
12.0441

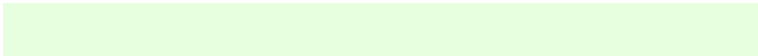
Harmonies

Analogous

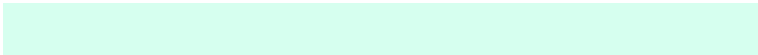
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6511, 94.0035, 77.1483



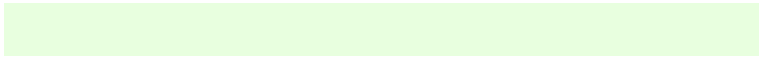
82.3580, 94.0035, 83.6158



79.9828, 94.0035, 95.4634

Triad

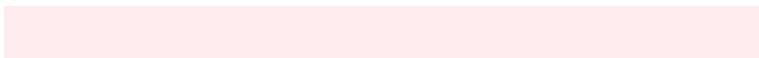
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.3580, 94.0035, 83.6158



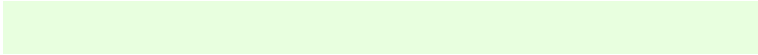
86.9080, 94.0035, 132.7651



99.3407, 94.0035, 94.7491

Complementary

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



82.3580, 94.0035, 83.6158



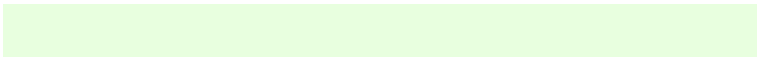
82.4445, 79.5894, 105.6247

Split Complementary

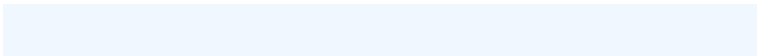
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.4160, 94.0035, 109.5681



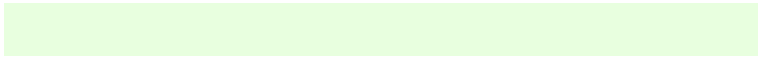
82.3580, 94.0035, 83.6158



92.0993, 94.0035, 132.5262

Square

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



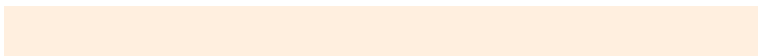
82.3580, 94.0035, 83.6158



82.5397, 94.0035, 124.3250



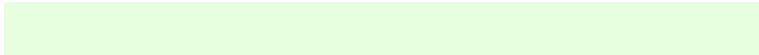
96.7217, 94.0035, 123.7009



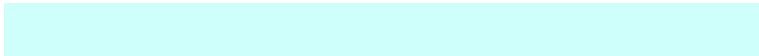
96.5197, 94.0035, 83.1368

Rectangle

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



82.3580, 94.0035, 83.6158



79.7449, 94.0035, 105.2686



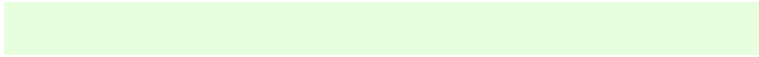
96.7217, 94.0035, 123.7009



99.6916, 94.0035, 99.4934

Sweetspot

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



82.3587, 94.0039, 83.6172



90.8050, 97.9963, 100.3555



87.4952, 92.4591, 83.0484



19.2696, 20.8967, 21.1472



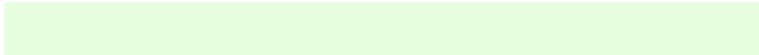
0.0000, 0.0000, 0.0000



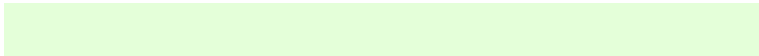
20.3446, 21.4041, 23.3091

Same Dimension

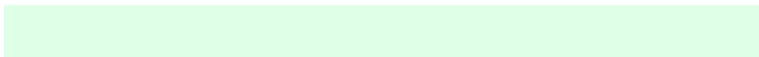
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.3587, 94.0039, 83.6172



80.0908, 92.9303, 79.1914



80.4658, 92.9178, 88.5089



18.2512, 20.4154, 19.1230



20.1954, 38.1492, 6.2991



2.0675, 3.7666, 0.6181

Inverse Universe

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



82.4445, 79.5894, 105.6247



80.1908, 75.9934, 105.0494



84.5819, 80.8179, 100.0030



18.2655, 18.0286, 22.7671



19.8238, 9.1300, 50.1520



2.0370, 0.9440, 4.8881

Previews

White Background



This preview shows how the XYZ color 82.3580, 94.0035, 83.6158 looks on a white background.

Color Contrast Check

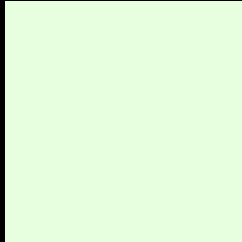
Large Text (above 18pt) WCAG AA × Fail

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 82.3580, 94.0035, 83.6158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

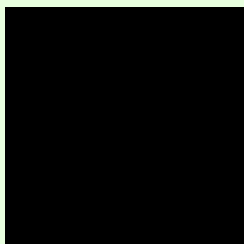
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

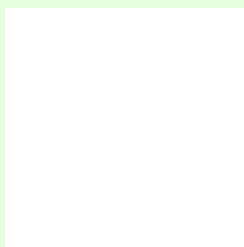
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.3580, 94.0035, 83.6158

Background



This preview shows how black text looks on a background with the XYZ color 82.3580, 94.0035, 83.6158.



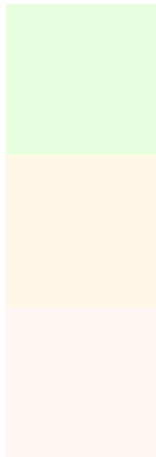
This preview shows how white text looks on a background with the XYZ color 82.3580, 94.0035,

83.6158.

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

82.3580, 94.0035, 83.6158

Protanopia

88.7837, 93.4947, 88.2298

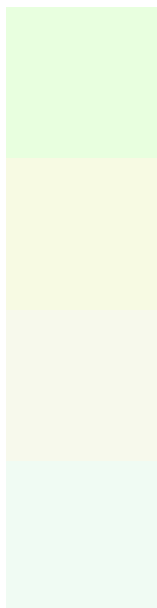
Deuteranopia

90.5249, 93.7032, 98.9033

Tritanopia

89.2736, 93.7673, 108.0014

Trichromacy



Original Color

82.3580, 94.0035, 83.6158

Protanomaly

86.4085, 93.6914, 86.2031

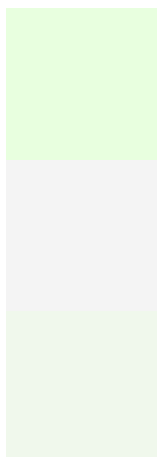
Deuteranomaly

87.3738, 93.5816, 92.8149

Tritanomaly

86.6100, 93.9907, 98.3712

Monochromacy



Original Color

82.3580, 94.0035, 83.6158

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.6429, 91.7162, 92.5987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.3580, 94.0035, 83.6158 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(232, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 223)  
}
```

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(232, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 223) }
```

Border

The CSS property to change the border of an element to XYZ 82.3580, 94.0035, 83.6158 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(232, 255, 223) }
```


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

```
.border{ border-color:rgb(232, 255, 223) }
```

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

Here you see how a box with a 4 pixel rgb(232, 255, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 82.3580, 94.0035, 83.6158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 223) }
```

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

```
.background{ background-color: rgb(232,  
255, 223) }
```

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