

Converting Colors

XYZ(88.1277, 100.0000,
89.3728)

Have a look what the booklet for
XYZ(88.1277, 100.0000, 89.3728)
contains.

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Color

**XYZ(85.9781, 95.7584,
88.8146)**

Conversions

Conversions Part 1

Format	Color
Hex	F0FFE6
RGB	240, 255, 230
RGB Percent	94%, 100%, 90%
CMY	0.0588, 0.0000, 0.0980
CMYK	0.06, 0.00, 0.10, 0.00
HSL	96°, 100%, 95%
HSV	96°, 10%, 100%
XYZ	85.9781, 95.7584, 88.8146
YIQ	247.6650, -0.9150, -10.9550

Conversions

Conversions Part 2

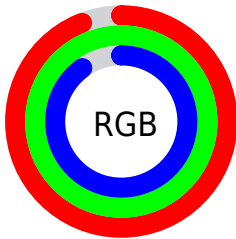
Format	Color
R _{YB}	230, 255, 245
Decimal	15794150
CIE Lab	98.34, -9.27, 10.26
CIE LCh	98, 13.826, 132.078
Yxy	95.7584, 0.3178, 0.3539
Android (android.graphics.Color)	4293984230 (0xFFFF0FFE6)
YUV	247.6650, -8.7088, -6.7222
Hunter-Lab	97.8562, -14.4153, 14.6876

Details

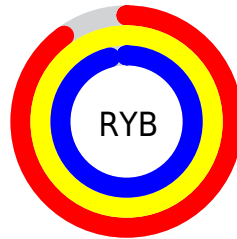
The XYZ color **85.9781, 95.7584, 88.8146** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.0037, 83.2273, 106.2447**, and the grayscale version is **89.0184, 93.6543, 101.9895**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6012, 53.6345, 47.8880** is the 20% darker color. If you saturate the color by 10%, you get **77.6778, 91.8634, 71.0802**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

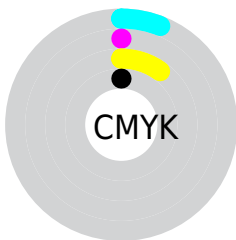
Distribution



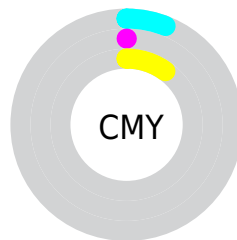
- Red (94%)
- Green (100%)
- Blue (90%)



- 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 85.9781, 95.7584, 88.8146 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 85.9781, 95.7584, 88.8146 by changing the saturation by 10% instead.


 85.9781, 95.7584,
88.8146

 85.9781, 95.7584,
88.8146


503.2941,
546.5901, 544.6375

 64.9751, 72.7664,
66.4297


140.6459,
155.3119, 147.6118

 47.7055, 53.7849,
48.1627


175.0414,
192.6422, 184.8613

 33.8040, 38.4297,
33.5948


214.6318,
235.5207, 227.9026

 22.9052, 26.3164,
22.3077


259.7824,
284.3318, 277.1545

 14.6439, 17.0605,
13.8827

310.8585,
339.4599, 333.0353

 8.6545, 10.2776,
7.9013

368.2256,

 4.5718, 5.5834,

401.2894, 395.9638

3.9450

432.2490,
470.2046, 466.3583

■ 2.0304, 2.5935,
1.5952

■ 0.6510, 0.9234,
0.2874

■ 85.9781, 95.7584,
88.8146

■ 85.9781, 95.7584,
88.8146

■ 77.6778, 91.8634,
71.0802

95.0500, 100.0000,
108.9000

■ 70.3052, 88.3888,
56.0041

■ 63.8257, 85.3194,
43.4591

■ 58.2012, 82.6387,
33.3061

■ 53.3906, 80.3290,
25.3923

■ 49.3491, 78.3707,
19.5476

■ 46.0262, 76.7421,
15.5772

■ 43.3639, 75.4184,
13.2491

■ 41.2767, 74.3636,
12.1925

Harmonies

Analogous

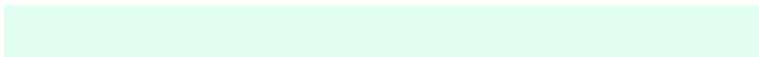
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4221, 95.7584, 84.2501



85.9781, 95.7584, 88.8146



83.9200, 95.7584, 97.6585

Triad

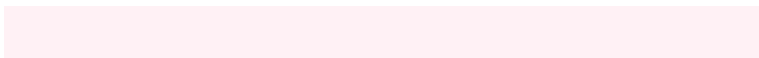
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.9781, 95.7584, 88.8146



88.6786, 95.7584, 126.5617



98.7133, 95.7584, 99.7414

Complementary

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



85.9781, 95.7584, 88.8146



84.0037, 83.2273, 106.2447

Split Complementary

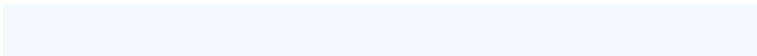
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.5001, 95.7584, 111.1621



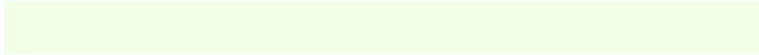
85.9781, 95.7584, 88.8146



92.6277, 95.7584, 127.2216

Square

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



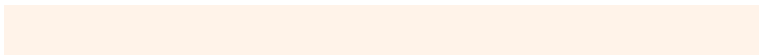
85.9781, 95.7584, 88.8146



85.4475, 95.7584, 119.6678



96.2459, 95.7584, 121.4099



96.8202, 95.7584, 90.2434

Rectangle

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



85.9781, 95.7584, 88.8146



83.5731, 95.7584, 105.0621



96.2459, 95.7584, 121.4099



98.8871, 95.7584, 103.4712

Sweetspot

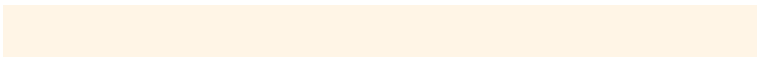
The Sweet Spot groups the original color and five complimentary colors.



85.9789, 95.7588, 88.8161



92.1740, 98.6569, 102.4637



88.0499, 92.0267, 87.9865



19.5677, 21.0412, 21.5726



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

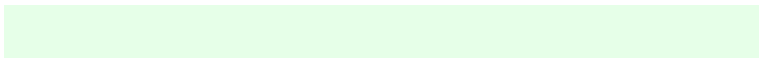
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9789, 95.7588, 88.8161



84.0739, 94.8662, 84.6856



82.9713, 94.1743, 90.2117



18.4592, 20.5226, 19.1327



21.7059, 38.9279, 6.3698



2.2327, 3.8518, 0.6258

Inverse Universe

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



84.0037, 83.2273, 106.2447



81.6926, 79.7585, 105.6970



87.2537, 84.9413, 104.6556



18.0485, 17.9167, 22.7570



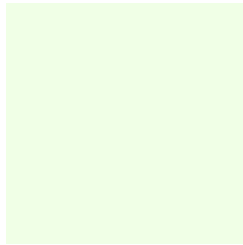
16.4687, 7.4004, 49.9950



1.7269, 0.7842, 4.8736

Previews

White Background



This preview shows how the XYZ color 85.9781, 95.7584, 88.8146 looks on a white background.

Color Contrast Check

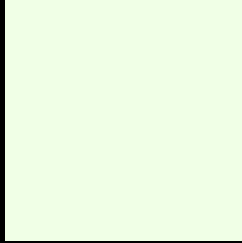
Large Text (above 18pt) WCAG AA × Fail

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 85.9781, 95.7584, 88.8146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

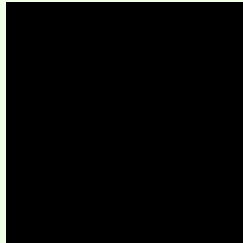
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

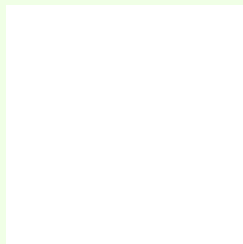
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.9781, 95.7584, 88.8146

Background



This preview shows how black text looks on a background with the XYZ color 85.9781, 95.7584, 88.8146.

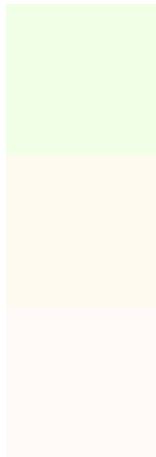


This preview shows how white text looks on a background with the XYZ color 85.9781, 95.7584,

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

85.9781, 95.7584, 88.8146

Protanopia

91.0056, 95.8632, 95.3683

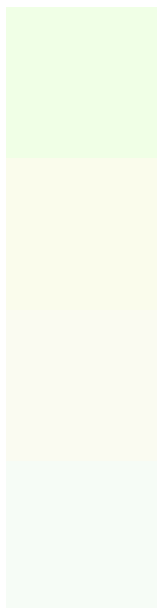
Deuteranopia

91.9042, 95.7268, 101.6289

Tritanopia

91.3025, 95.7310, 108.2735

Trichromacy



Original Color

85.9781, 95.7584, 88.8146

Protanomaly

89.3751, 96.0009, 93.1763

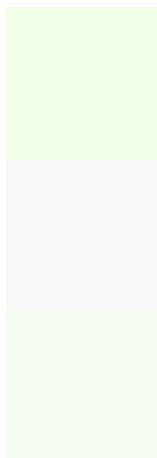
Deuteranomaly

89.7987, 95.6692, 96.9522

Tritanomaly

89.4510, 95.8675, 100.9785

Monochromacy



Original Color

85.9781, 95.7584, 88.8146

Achromatopsia

89.2221, 93.8686, 102.2229

Achromatomaly

88.0306, 94.7577, 96.8694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.9781, 95.7584, 88.8146 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(240, 255, 230) looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 230) }
```

Border

The CSS property to change the border of an element to XYZ 85.9781, 95.7584, 88.8146 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(240, 255, 230) }
```


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

```
.border{ border-color:rgb(240, 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(240, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 85.9781, 95.7584, 88.8146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 230) }
```

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

```
.background{ background-color: rgb(240,  
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](#).

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