

Converting Colors

XYZ(85.8167, 95.7646, 84.7672)

Have a look what the booklet for
XYZ(85.8167, 95.7646, 84.7672)
contains.

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Color

**XYZ(85.8325, 95.7791,
84.4844)**

Conversions

Conversions Part 1

Format	Color
Hex	F2FFE0
RGB	242, 255, 224
RGB Percent	95%, 100%, 88%
CMY	0.0510, 0.0000, 0.1216
CMYK	0.05, 0.00, 0.12, 0.00
HSL	85°, 100%, 94%
HSV	85°, 12%, 100%
XYZ	85.8325, 95.7791, 84.4844
YIQ	247.5790, 2.2030, -12.3970

Conversions

Conversions Part 2

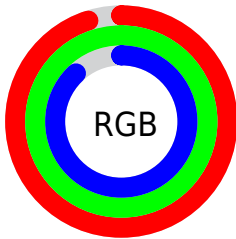
Format	Color
R_YB	224, 255, 237
Decimal	15925216
CIE Lab	98.34, -9.57, 13.36
CIE LCh	98, 16.439, 125.618
Yxy	95.7791, 0.3226, 0.3599
Android (android.graphics.Color)	4294115296 (0xFF F2 FF E0)
YUV	247.5790, -11.6244, -4.8928
Hunter-Lab	97.8668, -14.7163, 17.3241

Details

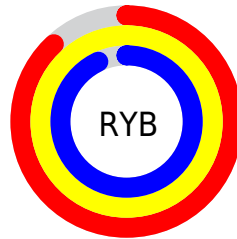
The XYZ color **85.8325, 95.7791, 84.4844** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **79.6316, 78.5371, 105.5699**, and the grayscale version is **88.9694, 93.6027, 101.9334**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6052, 53.6918, 45.3906** is the 20% darker color. If you saturate the color by 10%, you get **79.0655, 92.6606, 67.4483**, and if you desaturate by 10%, it is **93.3342, 99.2163, 104.2650**.

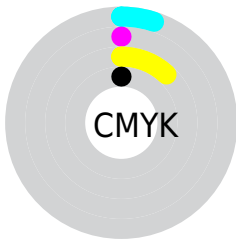
Distribution



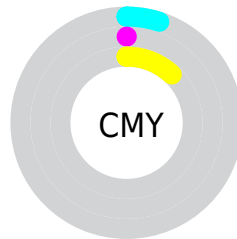
- Red (95%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (93%)



- Cyan (5%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.8325, 95.7791, 84.4844 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 85.8325, 95.7791, 84.4844 by changing the saturation by 10% instead.

85.8325, 95.7791,
84.4844

85.8325, 95.7791,
84.4844

502.8210,
546.6562, 530.0204

64.8543, 72.7836,
62.8677

140.4438,
155.3405, 141.5203

47.6072, 53.7990,
45.2939

174.8075,
192.6752, 177.7767

33.7259, 38.4410,
31.3444

214.3638,
235.5584, 219.7500

22.8450, 26.3251,
20.6006

259.4780,
284.3746, 267.8589

14.5991, 17.0670,
12.6439

310.5155,
339.5080, 322.5219

8.6230, 10.2823,
7.0560

367.8416,

4.5513, 5.5865,

401.3432, 384.1574

3.4182

431.8216,
470.2644, 453.1841

■ 2.0185, 2.5953,
1.3119

■ 0.6443, 0.9243,
0.0715

■ 85.8325, 95.7791,
84.4844

■ 85.8325, 95.7791,
84.4844

■ 79.0655, 92.6606,
67.4483

■ 93.3342, 99.2163,
104.2650

■ 73.0046, 89.8489,
53.0310

95.0500, 100.0000,
108.9000

■ 67.6218, 87.3324,
41.1036

■ 62.8867, 85.0985,
31.5242

■ 58.7655, 83.1332,
24.1369

■ 55.2211, 81.4212,
18.7670

■ 52.2110, 79.9450,
15.2127

■ 49.6847, 78.6839,
13.2308

■ 47.9848, 77.8221,
12.4921

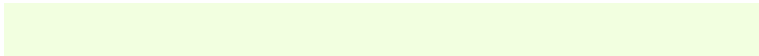
Harmonies

Analogous

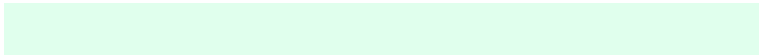
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1464, 95.7791, 80.4189



85.8325, 95.7791, 84.4844



82.9878, 95.7791, 93.8837

Triad

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



85.8325, 95.7791, 84.4844



87.3262, 95.7791, 129.8992



100.4050, 95.7791, 101.7542

Complementary

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



85.8325, 95.7791, 84.4844



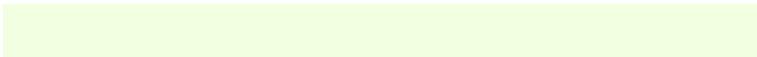
79.6316, 78.5371, 105.5699

Split Complementary

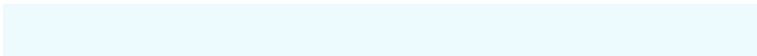
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.5867, 95.7791, 115.4321



85.8325, 95.7791, 84.4844



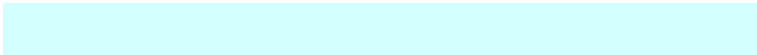
91.9298, 95.7791, 132.4645

Square

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



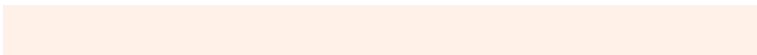
85.8325, 95.7791, 84.4844



83.8290, 95.7791, 120.2302



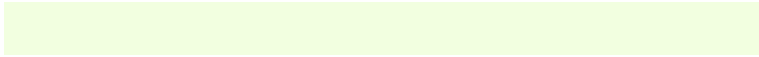
96.4439, 95.7791, 126.9651



98.6429, 95.7791, 89.8198

Rectangle

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



85.8325, 95.7791, 84.4844



82.2512, 95.7791, 102.3064



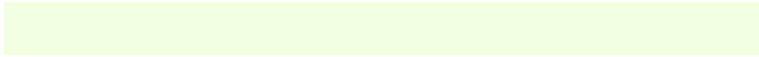
96.4439, 95.7791, 126.9651



100.4233, 95.7791, 106.2934

Sweetspot

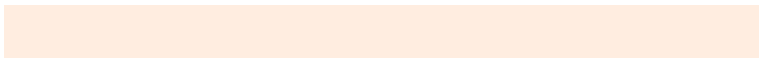
The Sweet Spot groups the original color and five complimentary colors.



85.8332, 95.7794, 84.4858



91.8947, 98.5581, 100.4065



84.9552, 87.1627, 82.8689



19.5451, 21.0387, 21.1601



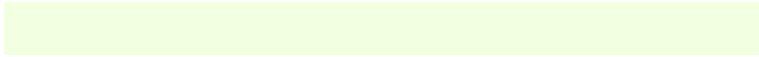
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

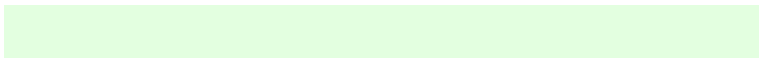
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8332, 95.7794, 84.4858



83.8350, 94.8605, 79.3666



80.7627, 93.1654, 84.2485



18.7820, 20.6891, 19.1478



25.2472, 40.7535, 6.5355



2.5829, 4.0323, 0.6422

Inverse Universe

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



79.6316, 78.5371, 105.5699



76.3342, 74.0052, 104.8689



85.0022, 81.3058, 105.8212



17.7248, 17.7499, 22.7418



12.7567, 5.4868, 49.8213



1.3633, 0.5967, 4.8566

Previews

White Background



This preview shows how the XYZ color 85.8325, 95.7791, 84.4844 looks on a white background.

Color Contrast Check

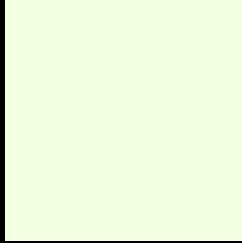
Large Text (above 18pt) WCAG AA × Fail

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 85.8325, 95.7791, 84.4844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

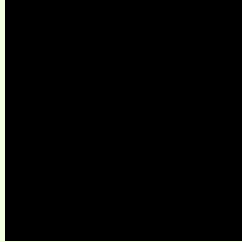
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

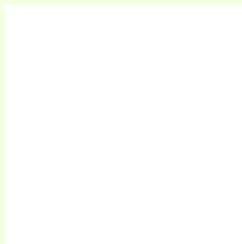
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.8325, 95.7791, 84.4844

Background



This preview shows how black text looks on a background with the XYZ color 85.8325, 95.7791, 84.4844.



This preview shows how white text looks on a background with the XYZ color 85.8325, 95.7791,

84.4844.

Color Blindness Simulation

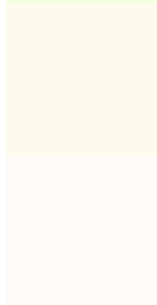
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

85.8325, 95.7791, 84.4844



Protanopia

90.8582, 95.8043, 94.5922

Deuteranopia

91.9042, 95.7268, 101.6289

Tritanopia

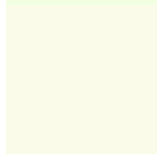
91.6599, 95.9152, 108.2902

Trichromacy



Original Color

85.8325, 95.7791, 84.4844



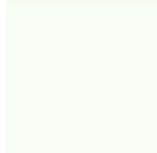
Protanomaly

88.9427, 95.8280, 90.8997



Deuteranomaly

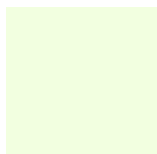
89.5015, 95.5503, 95.3872



Tritanomaly

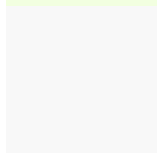
89.4973, 95.9266, 99.3866

Monochromacy



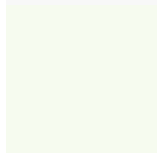
Original Color

85.8325, 95.7791, 84.4844



Achromatopsia

89.2221, 93.8686, 102.2229



Achromatomaly

88.0832, 94.8192, 95.3208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.8325, 95.7791, 84.4844 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(242, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 224)  
}
```

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(242, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 224) }
```

Border

The CSS property to change the border of an element to XYZ 85.8325, 95.7791, 84.4844 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(242, 255, 224) }
```


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

```
.border{ border-color:rgb(242, 255, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 255, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 255, 224); box-shadow:4px 4px 4px 4px rgb(242, 255, 224) }
```

Background

The CSS property to change the background color of an element to XYZ 85.8325, 95.7791, 84.4844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 224) }
```

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

```
.background{ background-color: rgb(242,  
255, 224) }
```

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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