

Converting Colors

XYZ(85.1417, 95.4085, 85.1049)

Have a look what the booklet for
XYZ(85.1417, 95.4085, 85.1049)
contains.

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Color

**XYZ(85.2858, 95.4815,
85.1689)**

Conversions

Conversions Part 1

Format	Color
Hex	F0FFE1
RGB	240, 255, 225
RGB Percent	94%, 100%, 88%
CMY	0.0588, 0.0000, 0.1176
CMYK	0.06, 0.00, 0.12, 0.00
HSL	90°, 100%, 94%
HSV	90°, 12%, 100%
XYZ	85.2858, 95.4815, 85.1689
YIQ	247.0950, 0.6900, -12.5100

Conversions

Conversions Part 2

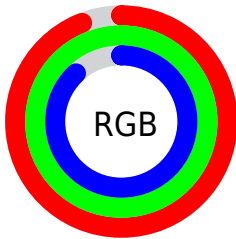
Format	Color
R_{YB}	225, 255, 240
Decimal	15794145
CIE _{Lab}	98.23, -10.09, 12.66
CIE _{LCh}	98, 16.193, 128.548
Yxy	95.4815, 0.3207, 0.3590
Android (android.graphics.Color)	4293984225 (0xFFFF0FFE1)
YUV	247.0950, -10.8928, -6.2223
Hunter-Lab	97.7146, -15.2050, 16.7226

Details

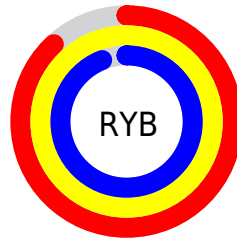
The XYZ color **85.2858, 95.4815, 85.1689** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **80.9112, 79.5969, 105.7070**, and the grayscale version is **88.5702, 93.1827, 101.4760**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.2169, 53.4808, 45.8644** is the 20% darker color. If you saturate the color by 10%, you get **77.8852, 92.0387, 67.9992**, and if you desaturate by 10%, it is **93.5116, 99.2896, 105.0919**.

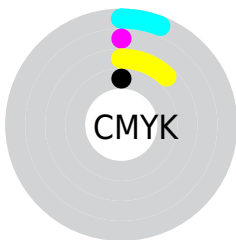
Distribution



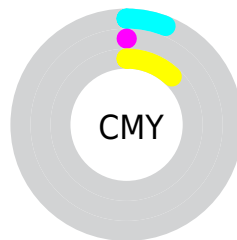
- Red (94%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (94%)



- Cyan (6%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.2858, 95.4815, 85.1689 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 85.2858, 95.4815, 85.1689 by changing the saturation by 10% instead.

 85.2858, 95.4815,
85.1689

 85.2858, 95.4815,
85.1689


501.0427,
545.7053, 532.3459

 64.4008, 72.5358,
63.4300


139.6844,
154.9296, 142.4854

 47.2383, 53.5965,
45.7459


173.9287,
192.2009, 178.9001

 33.4328, 38.2791,
31.6982


213.3569,
235.0161, 221.0437

 22.6190, 26.1994,
20.8681

258.3342,
283.7596, 269.3349

 14.4316, 16.9729,
12.8373

309.2262,
338.8159, 324.1922

 8.5052, 10.2152,
7.1872

366.3980,

 4.4744, 5.5418,

400.5694, 386.0341

3.4993

430.2150,
469.4044, 455.2792

■ 1.9738, 2.5686,
1.3549

■ 0.6192, 0.9109,
0.1061

■ 85.2858, 95.4815,
85.1689

■ 85.2858, 95.4815,
85.1689

■ 77.8852, 92.0387,
67.9992

■ 93.5116, 99.2896,
105.0919

■ 71.2784, 88.9478,
53.4573

95.0500, 100.0000,
108.9000

■ 65.4352, 86.1961,
41.4145

■ 60.3221, 83.7692,
31.7293

■ 55.9028, 81.6520,
24.2464

■ 52.1372, 79.8276,
18.7916

■ 48.9798, 78.2770,
15.1644

■ 46.3772, 76.9777,
13.1234

■ 44.5875, 76.0707,
12.3331

Harmonies

Analogous

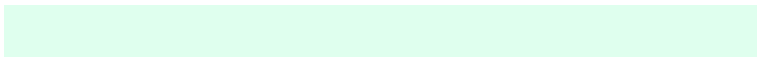
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4278, 95.4815, 80.6095



85.2858, 95.4815, 85.1689



82.6708, 95.4815, 94.8635

Triad

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



85.2858, 95.4815, 85.1689



87.5167, 95.4815, 129.7043



99.8983, 95.4815, 100.1978

Complementary

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



85.2858, 95.4815, 85.1689



80.9112, 79.5969, 105.7070

Split Complementary

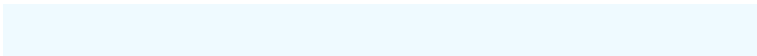
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.3441, 95.4815, 113.6268



85.2858, 95.4815, 85.1689



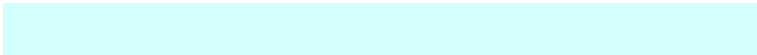
92.0898, 95.4815, 131.4408

Square

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



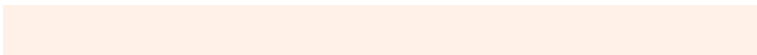
85.2858, 95.4815, 85.1689



83.9278, 95.4815, 120.7769



96.4475, 95.4815, 125.3368



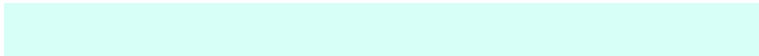
97.9371, 95.4815, 88.7870

Rectangle

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



85.2858, 95.4815, 85.1689



82.0919, 95.4815, 103.3146



96.4475, 95.4815, 125.3368



100.0013, 95.4815, 104.6143

Sweetspot

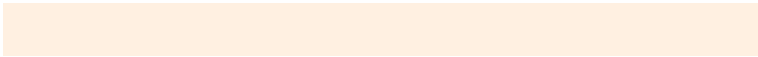
The Sweet Spot groups the original color and five complimentary colors.



85.2865, 95.4818, 85.1703



91.5995, 98.4059, 100.3926



85.8443, 88.7231, 83.8364



19.4704, 21.0002, 21.1566



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

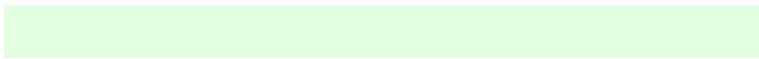
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2865, 95.4818, 85.1703



83.5610, 94.6807, 81.0962



80.5589, 93.0447, 84.9491



18.6370, 20.6143, 19.1410



23.4701, 39.8374, 6.4524



2.4111, 3.9437, 0.6341

Inverse Universe

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



80.9112, 79.5969, 105.7070



78.4349, 76.0700, 105.1568



86.0320, 82.2368, 105.9467



17.8684, 17.8239, 22.7485



14.2158, 6.2390, 49.8896



1.5101, 0.6724, 4.8635

Previews

White Background



This preview shows how the XYZ color 85.2858, 95.4815, 85.1689 looks on a white background.

Color Contrast Check

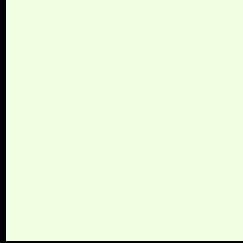
Large Text (above 18pt) WCAG AA × Fail

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 85.2858, 95.4815, 85.1689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

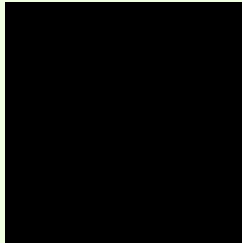
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

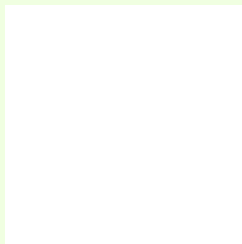
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.2858, 95.4815, 85.1689

Background



This preview shows how black text looks on a background with the XYZ color 85.2858, 95.4815, 85.1689.



This preview shows how white text looks on a background with the XYZ color 85.2858, 95.4815,

85.1689.

Color Blindness Simulation

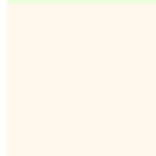
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

85.2858, 95.4815, 85.1689



Protanopia

90.4017, 95.1258, 93.7172



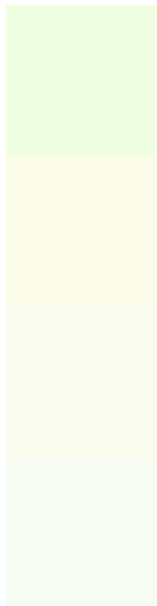
Deuteranopia

91.5959, 95.1102, 101.5262

Tritanopia

90.9926, 95.1111, 108.1702

Trichromacy



Original Color

85.2858, 95.4815, 85.1689

Protanomaly

88.6295, 95.2015, 90.7953

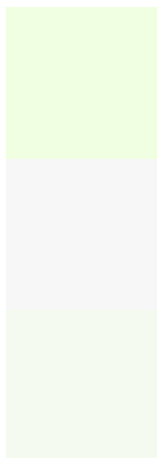
Deuteranomaly

89.5015, 95.5503, 95.3872

Tritanomaly

88.8324, 95.1188, 99.2658

Monochromacy



Original Color

85.2858, 95.4815, 85.1689

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

87.0738, 93.8363, 95.1843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.2858, 95.4815, 85.1689 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 225) }
```

Border

The CSS property to change the border of an element to XYZ 85.2858, 95.4815, 85.1689 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, 225) }
```


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

```
.border{ border-color:rgb(240, 255, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 85.2858, 95.4815, 85.1689 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, 225) }
```

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

```
.background{ background-color: rgb(240,  
255, 225) }
```

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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