

Converting Colors

XYZ(85.4348, 95.7039, 78.5992)

Have a look what the booklet for
XYZ(85.4348, 95.7039, 78.5992)
contains.

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Color

**XYZ(85.4629, 95.7110,
78.9354)**

Conversions

Conversions Part 1

Format	Color
Hex	F4FFD8
RGB	244, 255, 216
RGB Percent	96%, 100%, 85%
CMY	0.0431, 0.0000, 0.1529
CMYK	0.04, 0.00, 0.15, 0.00
HSL	77°, 100%, 92%
HSV	77°, 15%, 100%
XYZ	85.4629, 95.7110, 78.9354
YIQ	247.2650, 5.9630, -14.4610

Conversions

Conversions Part 2

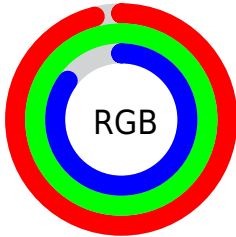
Format	Color
R_{YB}	216, 255, 227
Decimal	16056280
CIE _{Lab}	98.32, -10.15, 17.43
CIE _{LCh}	98, 20.173, 120.214
Yxy	95.7110, 0.3286, 0.3680
Android (android.graphics.Color)	4294246360 (0xFFFF4FFD8)
YUV	247.2650, -15.4136, -2.8634
Hunter-Lab	97.8320, -15.2741, 20.6445

Details

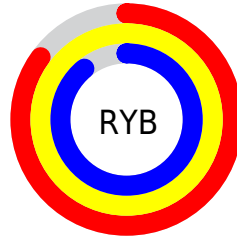
The XYZ color **85.4629, 95.7110, 78.9354** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.2853, 72.6638, 104.7180**, and the grayscale version is **88.7411, 93.3625, 101.6718**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3661, 53.6527, 41.5778** is the 20% darker color. If you saturate the color by 10%, you get **79.9705, 93.2313, 62.7839**, and if you desaturate by 10%, it is **91.5655, 98.4460, 97.7887**.

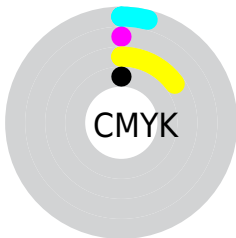
Distribution



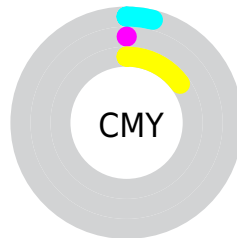
- Red (96%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (89%)



- Cyan (4%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (4%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.4629, 95.7110, 78.9354 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 85.4629, 95.7110, 78.9354 by changing the saturation by 10% instead.

 85.4629, 95.7110,
78.9354

 85.4629, 95.7110,
78.9354

501.6192,
546.4387, 510.9496

 64.5477, 72.7269,
58.3217


139.9304,
155.2465, 133.6658

 47.3578, 53.7527,
41.6509


174.2135,
192.5667, 168.6195

 33.5277, 38.4040,
28.5045


213.6832,
235.4344, 209.1903

 22.6922, 26.2964,
18.4640

258.7049,
284.2339, 255.7967

 14.4858, 17.0455,
11.1107

309.6440,
339.3497, 308.8574

 8.5433, 10.2669,
6.0263

366.8659,

 4.4992, 5.5763,

401.1662, 368.7907

2.7920

430.7358,
470.0677, 436.0153

■ 1.9882, 2.5892,
0.9894

■ 0.6274, 0.9212,
0.0000

■ 85.4629, 95.7110,
78.9354

■ 85.4629, 95.7110,
78.9354

■ 79.9705, 93.2313,
62.7839

■ 91.5655, 98.4460,
97.7887

■ 75.0620, 90.9964,
49.2061

95.0500, 100.0000,
108.9000

■ 70.7115, 88.9956,
38.0698

■ 66.8901, 87.2173,
29.2293

■ 63.5662, 85.6487,
22.5235

■ 60.7040, 84.2755,
17.7703

■ 58.2620, 83.0807,
14.7573

■ 56.1892, 82.0439,
13.2225

■ 55.3074, 81.5970,
12.8348

Harmonies

Analogous

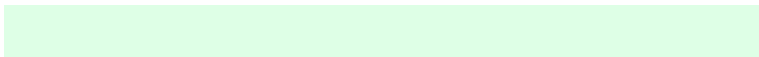
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9286, 95.7110, 75.3783



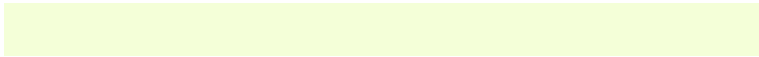
85.4629, 95.7110, 78.9354



81.6141, 95.7110, 89.1122

Triad

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



85.4629, 95.7110, 78.9354



85.5324, 95.7110, 134.5237



102.6068, 95.7110, 104.0933

Complementary

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



85.4629, 95.7110, 78.9354



74.2853, 72.6638, 104.7180

Split Complementary

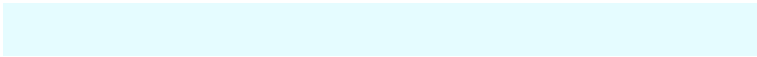
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.0158, 95.7110, 120.9301



85.4629, 95.7110, 78.9354



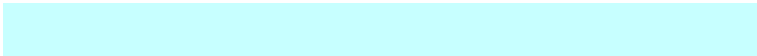
91.0123, 95.7110, 139.5975

Square

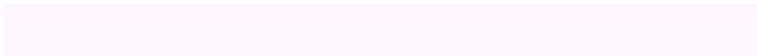
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



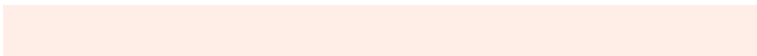
85.4629, 95.7110, 78.9354



81.6530, 95.7110, 121.1593



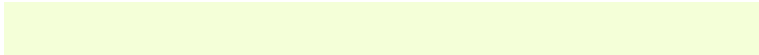
96.7096, 95.7110, 134.3818



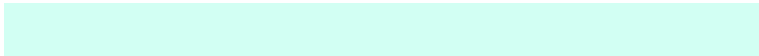
100.9710, 95.7110, 88.9255

Rectangle

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



85.4629, 95.7110, 78.9354



80.3984, 95.7110, 98.8686



96.7096, 95.7110, 134.3818



102.4309, 95.7110, 109.7466

Sweetspot

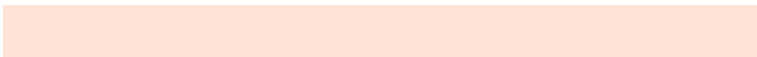
The Sweet Spot groups the original color and five complimentary colors.



85.4635, 95.7112, 78.9368



91.7540, 98.5302, 98.3837



80.9406, 80.8293, 76.3027



19.5427, 21.0464, 20.7540



0.0000, 0.0000, 0.0000



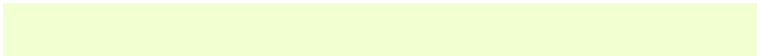
20.3446, 21.4041, 23.3091

Same Dimension

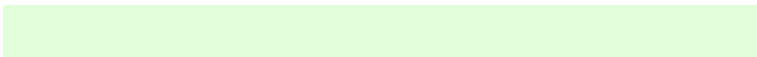
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4635, 95.7112, 78.9368



83.9176, 95.0153, 74.3034



79.2379, 92.5018, 78.6455



19.0326, 20.8182, 19.1595



29.0527, 42.7153, 6.7136



2.9357, 4.2142, 0.6587

Inverse Universe

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



74.2853, 72.6638, 104.7180



71.0132, 68.4068, 104.0688



80.5775, 75.9076, 105.0125



17.4840, 17.6257, 22.7305



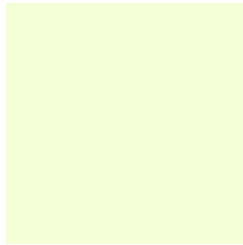
10.9496, 4.5552, 49.7367



1.1674, 0.4957, 4.8474

Previews

White Background



This preview shows how the XYZ color 85.4629, 95.7110, 78.9354 looks on a white background.

Color Contrast Check

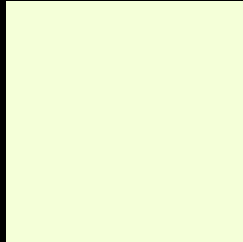
Large Text (above 18pt) WCAG AA × Fail

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 85.4629, 95.7110, 78.9354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

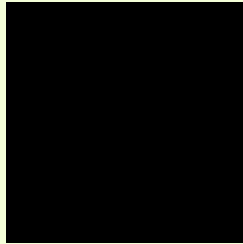
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

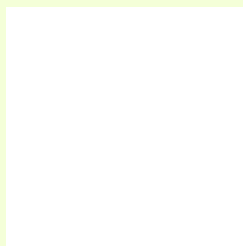
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.4629, 95.7110, 78.9354

Background



This preview shows how black text looks on a background with the XYZ color 85.4629, 95.7110, 78.9354.



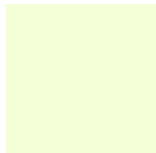
This preview shows how white text looks on a background with the XYZ color 85.4629, 95.7110,

78.9354.

Color Blindness Simulation

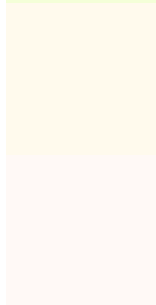
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

85.4629, 95.7110, 78.9354



Protanopia

90.7117, 95.7456, 93.8205

Deuteranopia

91.7502, 95.6652, 100.8182

Tritanopia

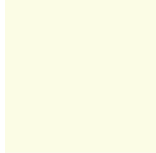
91.3500, 95.2954, 108.1869

Trichromacy



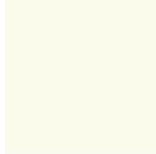
Original Color

85.4629, 95.7110, 78.9354



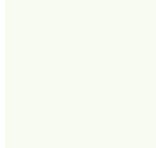
Protanomaly

88.7369, 95.7872, 87.9406



Deuteranomaly

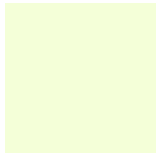
89.2762, 95.5017, 92.3256



Tritanomaly

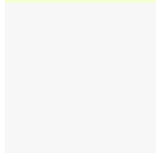
89.0858, 95.3017, 96.9188

Monochromacy



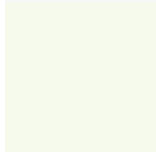
Original Color

85.4629, 95.7110, 78.9354



Achromatopsia

88.4070, 93.0111, 101.2891



Achromatomaly

87.3320, 94.0202, 92.9017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.4629, 95.7110, 78.9354 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(244, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 216)  
}
```

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(244, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 85.4629, 95.7110, 78.9354 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(244, 255, 216) }
```


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

```
.border{ border-color:rgb(244, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 85.4629, 95.7110, 78.9354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 216) }
```

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

```
.background{ background-color: rgb(244,  
255, 216) }
```

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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