

Converting Colors

XYZ(85.4535, 95.6172, 82.9540)

Have a look what the booklet for
XYZ(85.4535, 95.6172, 82.9540)
contains.

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Color

**XYZ(85.5628, 95.6712,
83.0640)**

Conversions

Conversions Part 1

Format	Color
Hex	F2FFDE
RGB	242, 255, 222
RGB Percent	95%, 100%, 87%
CMY	0.0510, 0.0000, 0.1294
CMYK	0.05, 0.00, 0.13, 0.00
HSL	84°, 100%, 94%
HSV	84°, 13%, 100%
XYZ	85.5628, 95.6712, 83.0640
YIQ	247.3510, 2.8450, -13.0190

Conversions

Conversions Part 2

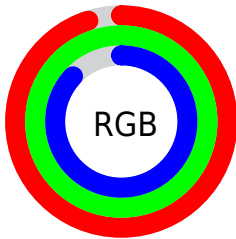
Format	Color
R _Y B	222, 255, 235
Decimal	15925214
CIE Lab	98.30, -9.90, 14.33
CIE LCh	98, 17.411, 124.635
Yxy	95.6712, 0.3237, 0.3620
Android (android.graphics.Color)	4294115294 (0xFFFF2FFDE)
YUV	247.3510, -12.4980, -4.6928
Hunter-Lab	97.8117, -15.0238, 18.1177

Details

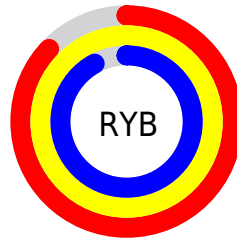
The XYZ color **85.5628, 95.6712, 83.0640** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **78.4330, 77.1259, 105.3607**, and the grayscale version is **88.7900, 93.4140, 101.7279**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4188, 53.6173, 44.4091** is the 20% darker color. If you saturate the color by 10%, you get **79.0455, 92.6769, 66.2469**, and if you desaturate by 10%, it is **92.7878, 98.9705, 102.6152**.

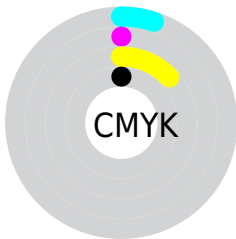
Distribution



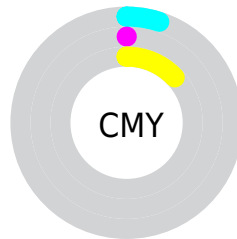
- Red (95%)
- Green (100%)
- Blue (87%)



- Red (87%)
- Yellow (100%)
- Blue (92%)



- Cyan (5%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.5628, 95.6712, 83.0640 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 85.5628, 95.6712, 83.0640 by changing the saturation by 10% instead.


 85.5628, 95.6712,
83.0640

 85.5628, 95.6712,
83.0640

501.9442,
546.3115, 525.1764

 64.6306, 72.6937,
61.7020


140.0692,
155.1916, 139.5151

 47.4252, 53.7256,
44.3577


174.3741,
192.5033, 175.4414

 33.5812, 38.3823,
30.6126


213.8672,
235.3618, 217.0595

 22.7334, 26.2795,
20.0480

258.9139,
284.1517, 264.7879

 14.5164, 17.0329,
12.2455

309.8797,
339.2572, 319.0453

 8.5648, 10.2579,
6.7866

367.1297,

 4.5133, 5.5703,

401.0627, 380.2501

3.2526

431.0294,
469.9527, 448.8210

■ 1.9964, 2.5856,
1.2250

■ 0.6319, 0.9194,
0.0000

■ 85.5628, 95.6712,
83.0640

■ 85.5628, 95.6712,
83.0640

■ 79.0455, 92.6769,
66.2469

■ 92.7878, 98.9705,
102.6152

■ 73.2078, 89.9759,
52.0377

95.0500, 100.0000,
108.9000

■ 68.0224, 87.5570,
40.3065

■ 63.4589, 85.4077,
30.9106

■ 59.4844, 83.5144,
23.6929

■ 56.0620, 81.8620,
18.4767

■ 53.1496, 80.4332,
15.0580

■ 50.6965, 79.2074,
13.1889

■ 49.1911, 78.4440,
12.5486

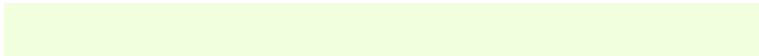
Harmonies

Analogous

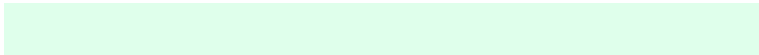
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1558, 95.6712, 79.0025



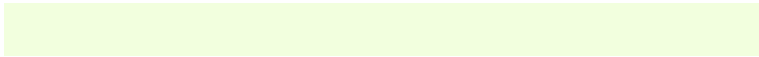
85.5628, 95.6712, 83.0640



82.4967, 95.6712, 92.7840

Triad

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



85.5628, 95.6712, 83.0640



86.8649, 95.6712, 131.1623



100.8840, 95.6712, 101.9546

Complementary

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



85.5628, 95.6712, 83.0640



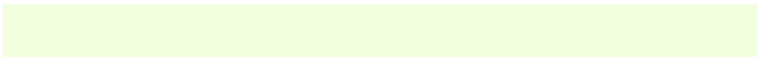
78.4330, 77.1259, 105.3607

Split Complementary

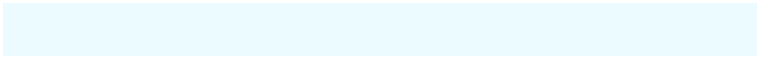
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.9249, 95.6712, 116.4506



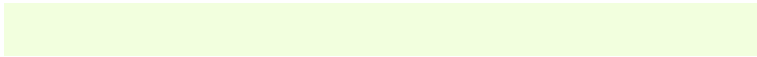
85.5628, 95.6712, 83.0640



91.7138, 95.6712, 134.1835

Square

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



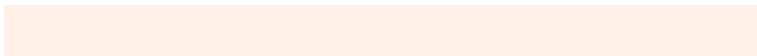
85.5628, 95.6712, 83.0640



83.2289, 95.6712, 120.6626



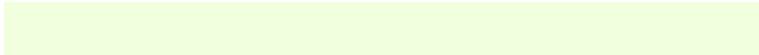
96.5225, 95.6712, 128.5781



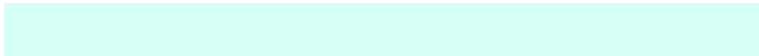
99.0976, 95.6712, 89.2526

Rectangle

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



85.5628, 95.6712, 83.0640



81.6681, 95.6712, 101.6093



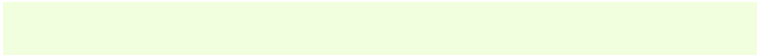
96.5225, 95.6712, 128.5781



100.8725, 95.6712, 106.7727

Sweetspot

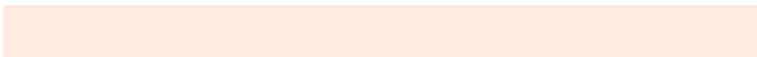
The Sweet Spot groups the original color and five complimentary colors.



85.5635, 95.6715, 83.0654



91.9881, 98.6062, 100.4108



84.0337, 85.7512, 81.2312



19.5688, 21.0509, 21.1612



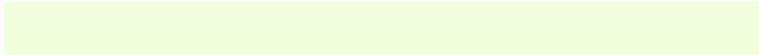
0.0000, 0.0000, 0.0000



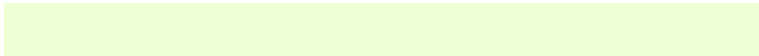
20.3446, 21.4041, 23.3091

Same Dimension

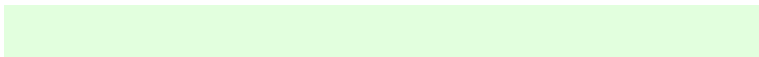
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5635, 95.6715, 83.0654



83.4954, 94.7234, 77.6351



80.2627, 92.9388, 82.8174



18.8281, 20.7128, 19.1500



25.8761, 41.0777, 6.5650



2.6424, 4.0629, 0.6450

Inverse Universe

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



78.4330, 77.1259, 105.3607



74.8678, 72.2825, 104.6137



84.0096, 80.0008, 105.6216



17.6799, 17.7267, 22.7397



12.3597, 5.2821, 49.8027



1.3220, 0.5754, 4.8547

Previews

White Background



This preview shows how the XYZ color 85.5628, 95.6712, 83.0640 looks on a white background.

Color Contrast Check

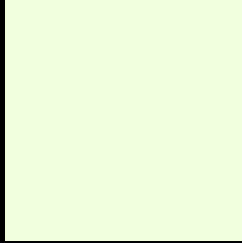
Large Text (above 18pt) WCAG AA × Fail

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 85.5628, 95.6712, 83.0640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

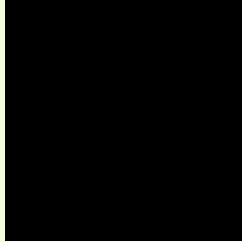
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

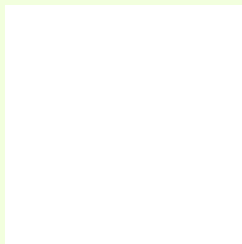
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.5628, 95.6712, 83.0640

Background



This preview shows how black text looks on a background with the XYZ color 85.5628, 95.6712, 83.0640.



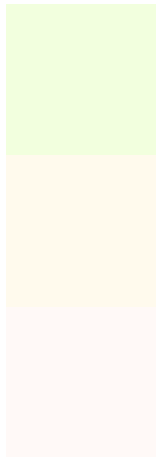
This preview shows how white text looks on a background with the XYZ color 85.5628, 95.6712,

83.0640.

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

85.5628, 95.6712, 83.0640

Protanopia

90.7117, 95.7456, 93.8205

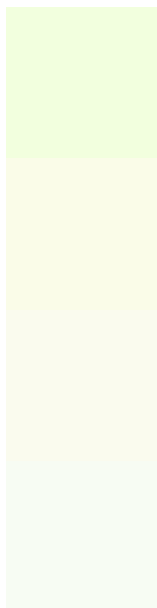
Deuteranopia

91.9042, 95.7268, 101.6289

Tritanopia

91.6599, 95.9152, 108.2902

Trichromacy



Original Color

85.5628, 95.6712, 83.0640

Protanomaly

88.8002, 95.7710, 90.1493

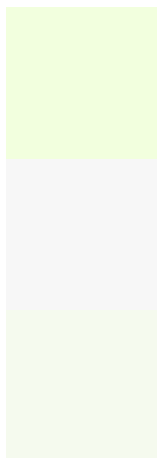
Deuteranomaly

89.3541, 95.4914, 94.6111

Tritanomaly

89.3458, 95.8660, 98.5890

Monochromacy



Original Color

85.5628, 95.6712, 83.0640

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

87.2744, 93.9567, 94.4245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.5628, 95.6712, 83.0640 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 222) }
```

Border

The CSS property to change the border of an element to XYZ 85.5628, 95.6712, 83.0640 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, 222) }
```


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

```
.border{ border-color:rgb(242, 255, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 85.5628, 95.6712, 83.0640 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, 222) }
```

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

```
.background{ background-color: rgb(242,  
255, 222) }
```

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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