

Converting Colors

XYZ(86.2228, 95.9487, 85.9279)

Have a look what the booklet for
XYZ(86.2228, 95.9487, 85.9279)
contains.

XYZ(86.1054, 95.8882, 85.9215)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(86.1054, 95.8882,
85.9215)**

Conversions

Conversions Part 1

Format	Color
Hex	F2FFE2
RGB	242, 255, 226
RGB Percent	95%, 100%, 89%
CMY	0.0510, 0.0000, 0.1137
CMYK	0.05, 0.00, 0.11, 0.00
HSL	87°, 100%, 94%
HSV	87°, 11%, 100%
XYZ	86.1054, 95.8882, 85.9215
YIQ	247.8070, 1.5610, -11.7750

Conversions

Conversions Part 2

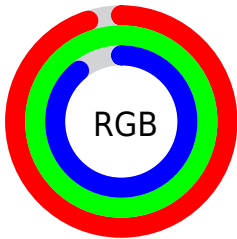
Format	Color
R _Y B	226, 255, 239
Decimal	15925218
CIE Lab	98.39, -9.25, 12.40
CIE LCh	98, 15.472, 126.714
Yxy	95.8882, 0.3214, 0.3579
Android (android.graphics.Color)	4294115298 (0xFFFF2FFE2)
YUV	247.8070, -10.7509, -5.0927
Hunter-Lab	97.9225, -14.4055, 16.5221

Details

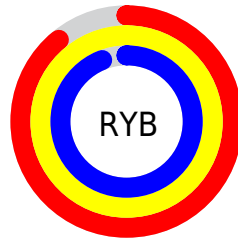
The XYZ color **86.1054, 95.8882, 85.9215** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **80.8437, 79.9646, 105.7815**, and the grayscale version is **89.1490, 93.7917, 102.1392**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.7945, 53.7675, 46.3872** is the 20% darker color. If you saturate the color by 10%, you get **79.0607, 92.6312, 68.6643**, and if you desaturate by 10%, it is **93.9173, 99.4805, 105.9339**.

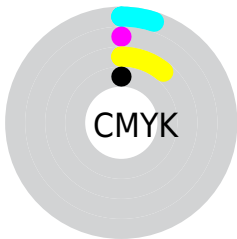
Distribution



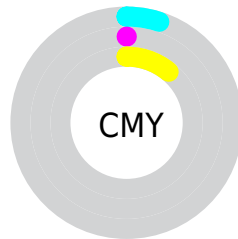
- Red (95%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (94%)



- Cyan (5%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.1054, 95.8882, 85.9215 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 86.1054, 95.8882, 85.9215 by changing the saturation by 10% instead.


 86.1054, 95.8882,
85.9215

 86.1054, 95.8882,
85.9215


503.7074,
547.0046, 534.8962

 65.0807, 72.8744,
64.0485


140.8226,
155.4911, 143.5455

 47.7915, 53.8733,
46.2436


175.2459,
192.8491, 180.1336

 33.8723, 38.5004,
32.0880


214.8660,
235.7572, 222.4639

 22.9580, 26.3713,
21.1634

260.0484,
284.5999, 270.9549

 14.6830, 17.1016,
13.0511

311.1584,
339.7616, 326.0250

 8.6821, 10.3070,
7.3326

368.5613,

 4.5898, 5.6030,

401.6267, 388.0929

3.5894

432.6225,
470.5796, 457.5772

■ 2.0409, 2.6052,
1.4029

■ 0.6568, 0.9293,
0.1440

■ 86.1054, 95.8882,
85.9215

■ 86.1054, 95.8882,
85.9215

■ 79.0607, 92.6312,
68.6643

■ 93.9173, 99.4805,
105.9339

■ 72.7536, 89.6970,
54.0372

■ 95.0500, 100.0000,
108.9000

■ 67.1557, 87.0738,
41.9118

■ 62.2357, 84.7484,
32.1473

■ 57.9593, 82.7067,
24.5891

■ 54.2886, 80.9329,
19.0640

■ 51.1808, 79.4093,
15.3727

■ 48.5850, 78.1148,
13.2761

■ 46.6924, 77.1559,
12.4316

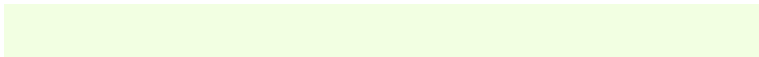
Harmonies

Analogous

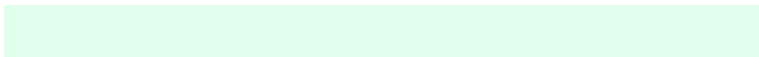
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1395, 95.8882, 81.8549



86.1054, 95.8882, 85.9215



83.4831, 95.8882, 94.9905

Triad

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



86.1054, 95.8882, 85.9215



87.7890, 95.8882, 128.6412



99.9279, 95.8882, 101.5595

Complementary

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



86.1054, 95.8882, 85.9215



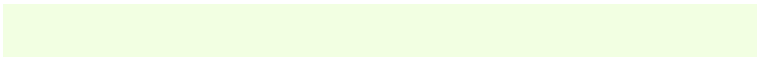
80.8437, 79.9646, 105.7815

Split Complementary

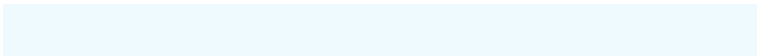
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.2489, 95.8882, 114.4239



86.1054, 95.8882, 85.9215



92.1456, 95.8882, 130.7594

Square

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



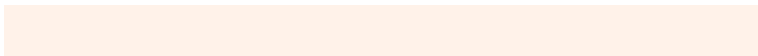
86.1054, 95.8882, 85.9215



84.4327, 95.8882, 119.7949



96.3647, 95.8882, 125.3678



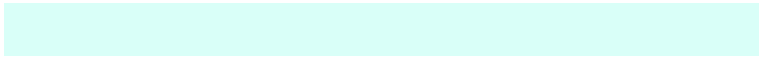
98.1910, 95.8882, 90.3948

Rectangle

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



86.1054, 95.8882, 85.9215



82.8389, 95.8882, 103.0038



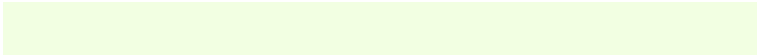
96.3647, 95.8882, 125.3678



99.9755, 95.8882, 105.8207

Sweetspot

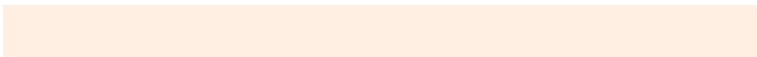
The Sweet Spot groups the original color and five complimentary colors.



86.1061, 95.8886, 85.9229



92.5922, 98.8724, 102.4833



85.7078, 88.2313, 84.4659



19.6805, 21.0994, 21.5779



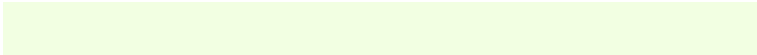
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

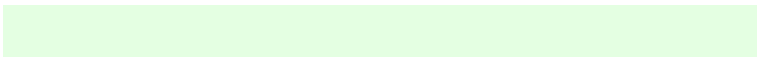
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1061, 95.8886, 85.9229



84.1813, 95.0005, 81.1252



81.4621, 93.4945, 85.7056



18.7298, 20.6622, 19.1454



24.5723, 40.4056, 6.5040



2.5184, 3.9990, 0.6392

Inverse Universe

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



80.8437, 79.9646, 105.7815



77.8209, 75.7535, 105.1280



85.7792, 82.5089, 106.0125



17.7761, 17.7763, 22.7442



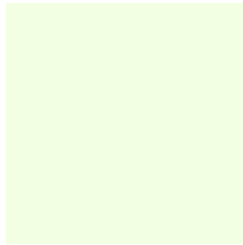
13.2445, 5.7383, 49.8441



1.4131, 0.6224, 4.8589

Previews

White Background



This preview shows how the XYZ color 86.1054, 95.8882, 85.9215 looks on a white background.

Color Contrast Check

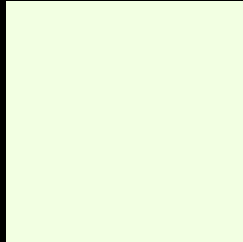
Large Text (above 18pt) WCAG AA × Fail

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 86.1054, 95.8882, 85.9215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

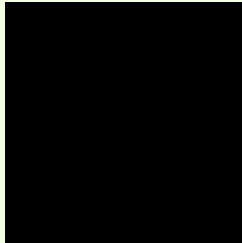
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

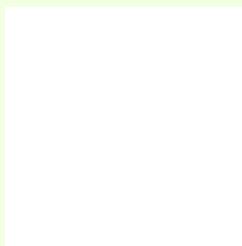
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.1054, 95.8882, 85.9215

Background



This preview shows how black text looks on a background with the XYZ color 86.1054, 95.8882, 85.9215.



This preview shows how white text looks on a background with the XYZ color 86.1054, 95.8882,

85.9215.

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

86.1054, 95.8882, 85.9215

Protanopia

91.0056, 95.8632, 95.3683

Deuteranopia

91.9042, 95.7268, 101.6289

Tritanopia

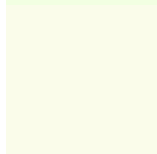
91.6599, 95.9152, 108.2902

Trichromacy



Original Color

86.1054, 95.8882, 85.9215



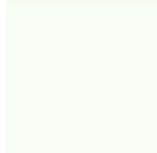
Protanomaly

89.0860, 95.8853, 91.6543



Deuteranomaly

89.5015, 95.5503, 95.3872



Tritanomaly

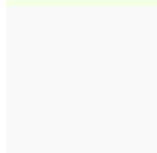
89.4973, 95.9266, 99.3866

Monochromacy



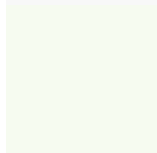
Original Color

86.1054, 95.8882, 85.9215



Achromatopsia

89.2221, 93.8686, 102.2229



Achromatomaly

88.2314, 94.8785, 96.1012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.1054, 95.8882, 85.9215 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 226) }
```

Border

The CSS property to change the border of an element to XYZ 86.1054, 95.8882, 85.9215 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, 226) }
```


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

```
.border{ border-color:rgb(242, 255, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 86.1054, 95.8882, 85.9215 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, 226) }
```

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

```
.background{ background-color: rgb(242,  
255, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor