

Converting Colors

XYZ(85.8603, 95.7481, 86.5341)

Have a look what the booklet for
XYZ(85.8603, 95.7481, 86.5341)
contains.

XYZ(85.9008, 95.7668, 86.6304)	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(85.9008, 95.7668,
86.6304)**

Conversions

Conversions Part 1

Format	Color
Hex	F1FFE3
RGB	241, 255, 227
RGB Percent	95%, 100%, 89%
CMY	0.0549, 0.0000, 0.1098
CMYK	0.05, 0.00, 0.11, 0.00
HSL	90°, 100%, 95%
HSV	90°, 11%, 100%
XYZ	85.9008, 95.7668, 86.6304
YIQ	247.6220, 0.6440, -11.6760

Conversions

Conversions Part 2

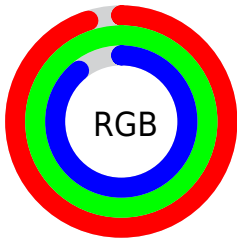
Format	Color
RYB	227, 255, 241
Decimal	15859683
CIELab	98.34, -9.42, 11.81
CIELCh	98, 15.111, 128.585
Yxy	95.7668, 0.3202, 0.3569
Android (android.graphics.Color)	4294049763 (0xFFFF1FFE3)
YUV	247.6220, -10.1666, -5.8075
Hunter-Lab	97.8605, -14.5707, 16.0163

Details

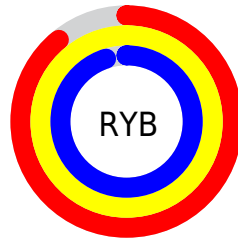
The XYZ color **85.9008, 95.7668, 86.6304** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **81.7954, 80.8601, 105.9042**, and the grayscale version is **88.9940, 93.6286, 101.9615**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6481, 53.6810, 46.8799** is the 20% darker color. If you saturate the color by 10%, you get **78.4367, 92.2959, 69.2493**, and if you desaturate by 10%, it is **94.1923, 99.6040, 106.7741**.

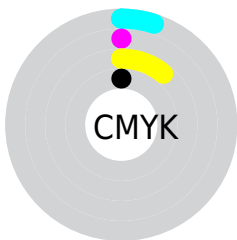
Distribution



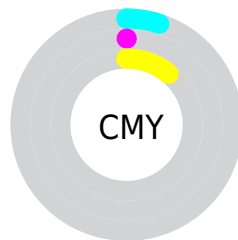
- Red (95%)
- Green (100%)
- Blue (89%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.9008, 95.7668, 86.6304 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 85.9008, 95.7668, 86.6304 by changing the saturation by 10% instead.


 85.9008, 95.7668,
86.6304

 85.9008, 95.7668,
86.6304

503.0429,
546.6169, 537.2922

 64.9109, 72.7734,
64.6315


140.5386,
155.3235, 144.5432

 47.6533, 53.7907,
46.7129


174.9172,
192.6556, 181.2942

 33.7625, 38.4343,
32.4560


214.4895,
235.5360, 223.7996

 22.8732, 26.3199,
21.4424

259.6208,
284.3492, 272.4780

 14.6201, 17.0632,
13.2534

310.6764,
339.4794, 327.7479

 8.6378, 10.2795,
7.4705

368.0217,

 4.5609, 5.5847,

401.3112, 390.0279

3.6752

432.0221,
470.2289, 459.7365

■ 2.0241, 2.5942,
1.4489

■ 0.6474, 0.9238,
0.1794

■ 85.9008, 95.7668,
86.6304

■ 85.9008, 95.7668,
86.6304

■ 78.4367, 92.2959,
69.2493

94.1923, 99.6040,
106.7741

■ 71.7688, 89.1779,
54.5057

95.0500, 100.0000,
108.9000

■ 65.8669, 86.4001,
42.2718

■ 60.6979, 83.9483,
32.4072

■ 56.2256, 81.8075,
24.7576

■ 52.4103, 79.9607,
19.1506

■ 49.2070, 78.3894,
15.3881

■ 46.5631, 77.0713,
13.2328

■ 44.5878, 76.0709,
12.3331

Harmonies

Analogous

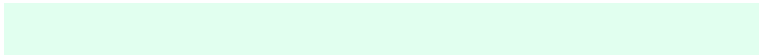
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7793, 95.7668, 82.3151



85.9008, 95.7668, 86.6304



83.4491, 95.7668, 95.7612

Triad

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



85.9008, 95.7668, 86.6304



88.0005, 95.7668, 128.2282



99.5560, 95.7668, 100.7351

Complementary

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



85.9008, 95.7668, 86.6304



81.7954, 80.8601, 105.9042

Split Complementary

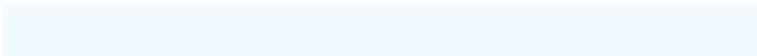
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.0428, 95.7668, 113.2764



85.9008, 95.7668, 86.6304



92.2790, 95.7668, 129.8267

Square

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



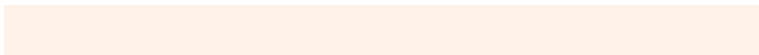
85.9008, 95.7668, 86.6304



84.6342, 95.7668, 119.9552



96.3459, 95.7668, 124.1634



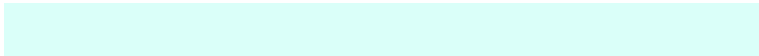
97.7265, 95.7668, 90.0222

Rectangle

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



85.9008, 95.7668, 86.6304



82.9072, 95.7668, 103.6827



96.3459, 95.7668, 124.1634



99.6529, 95.7668, 104.8671

Sweetspot

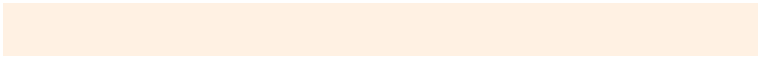
The Sweet Spot groups the original color and five complimentary colors.



85.9015, 95.7672, 86.6319



92.4494, 98.7988, 102.4766



86.4230, 89.4414, 85.3834



19.6420, 21.0795, 21.5761



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

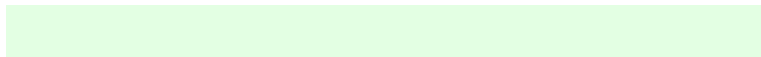
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9015, 95.7672, 86.6319



84.3277, 95.0368, 82.9013



81.4519, 93.4733, 86.4236



18.6370, 20.6143, 19.1410



23.4703, 39.8374, 6.4524



2.4112, 3.9438, 0.6341

Inverse Universe

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



81.7954, 80.8601, 105.9042



79.5340, 77.6336, 105.4006



86.5881, 83.3308, 106.1285



17.8684, 17.8239, 22.7485



14.2156, 6.2389, 49.8896



1.5101, 0.6724, 4.8635

Previews

White Background



This preview shows how the XYZ color 85.9008, 95.7668, 86.6304 looks on a white background.

Color Contrast Check

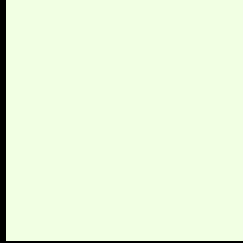
Large Text (above 18pt) WCAG AA × Fail

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 85.9008, 95.7668, 86.6304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

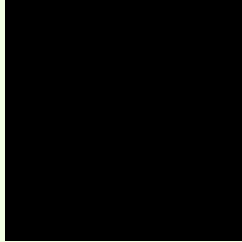
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

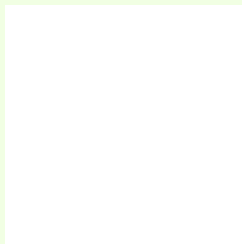
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.9008, 95.7668, 86.6304

Background



This preview shows how black text looks on a background with the XYZ color 85.9008, 95.7668, 86.6304.



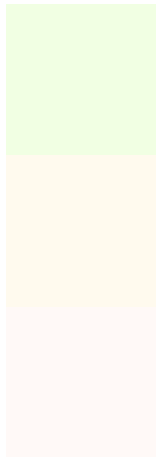
This preview shows how white text looks on a background with the XYZ color 85.9008, 95.7668,

86.6304.

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

85.9008, 95.7668, 86.6304

Protanopia

90.8582, 95.8043, 94.5922

Deuteranopia

91.9042, 95.7268, 101.6289

Tritanopia

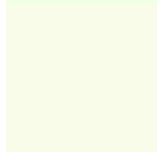
91.3025, 95.7310, 108.2735

Trichromacy



Original Color

85.9008, 95.7668, 86.6304



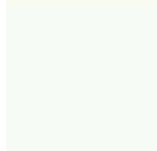
Protanomaly

89.0860, 95.8853, 91.6543



Deuteranomaly

89.6497, 95.6096, 96.1675



Tritanomaly

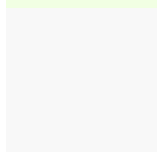
89.2979, 95.8062, 100.1721

Monochromacy



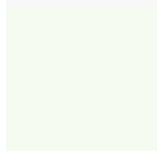
Original Color

85.9008, 95.7668, 86.6304



Achromatopsia

89.2221, 93.8686, 102.2229



Achromatomaly

87.8815, 94.6981, 96.0848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.9008, 95.7668, 86.6304 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(241, 255, 227) looks like.

```
.text, #text, p{  
    color:rgb(241, 255, 227)  
}
```

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(241, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 227) }
```

Border

The CSS property to change the border of an element to XYZ 85.9008, 95.7668, 86.6304 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(241, 255, 227) }
```


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

```
.border{ border-color:rgb(241, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(241, 255, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(241, 255, 227); box-shadow:4px 4px 4px 4px rgb(241, 255, 227) }
```

Background

The CSS property to change the background color of an element to XYZ 85.9008, 95.7668, 86.6304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 255, 227) }
```

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

```
.background{ background-color: rgb(241,  
255, 227) }
```

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