

Converting Colors

XYZ(85.5998, 95.1282,
108.4577)

Have a look what the booklet for
XYZ(85.5998, 95.1282, 108.4577)
contains.

XYZ(85.4886, 95.0709, 108.4525)	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(85.4886, 95.0709,
108.4525)**

Conversions

Conversions Part 1

Format	Color
Hex	E3FFFF
RGB	227, 255, 255
RGB Percent	89%, 100%, 100%
CMY	0.1098, 0.0000, 0.0000
CMYK	0.11, 0.00, 0.00, 0.00
HSL	180°, 100%, 95%
HSV	180°, 11%, 100%
XYZ	85.4886, 95.0709, 108.4525
YIQ	246.6280, -16.6880, -5.9360

Conversions

Conversions Part 2

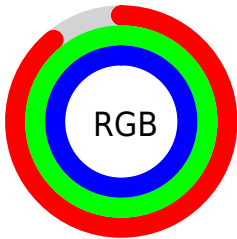
Format	Color
R_{YB}	227, 241, 255
Decimal	14942207
CIE Lab	98.06, -9.00, -3.08
CIE LCh	98, 9.514, 198.874
Yxy	95.0709, 0.2958, 0.3290
Android (android.graphics.Color)	4293132287 (0xFFE3FFFF)
YUV	246.6280, 4.1274, -17.2138
Hunter-Lab	97.5043, -14.1296, 2.3057

Details

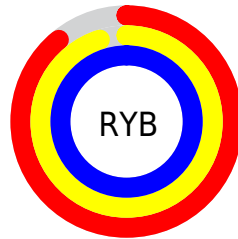
The XYZ color **85.4886, 95.0709, 108.4525** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.5752, 81.7457, 84.1011**, and the grayscale version is **88.0828, 92.6700, 100.9176**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1817, 53.1233, 61.1932** is the 20% darker color. If you saturate the color by 10%, you get **78.0327, 91.2273, 108.1036**, and if you desaturate by 10%, it is **94.1371, 99.5294, 108.8573**.

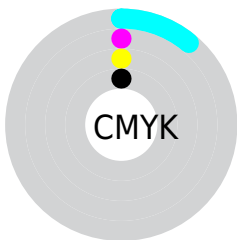
Distribution



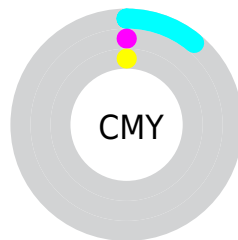
- Red (89%)
- Green (100%)
- Blue (100%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.4886, 95.0709, 108.4525 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 85.4886, 95.0709, 108.4525 by changing the saturation by 10% instead.


 85.4886, 95.0709,
108.4525

 85.4886, 95.0709,
108.4525


501.7028,
544.3919, 608.4420

 64.5690, 72.1940,
82.7220


139.9661,
154.3626, 174.8781

 47.3751, 53.3172,
61.4215


174.2548,
191.5461, 216.4103

 33.5415, 38.0560,
44.1327


213.7305,
234.2673, 264.0467

 22.7028, 26.0262,
30.4369

258.7587,
282.9105, 318.2060

 14.4937, 16.8432,
19.9156

309.7047,
337.8602, 379.3066

 8.5488, 10.1228,
12.1502

366.9337,

 4.5028, 5.4804,

399.5007, 447.7671

6.7223

430.8113,
468.2165, 524.0061

■ 1.9903, 2.5318,
3.2132

■ 0.6285, 0.8925,
1.2045

■ 85.4886, 95.0709,
108.4525

■ 85.4886, 95.0709,
108.4525

■ 78.0327, 91.2273,
108.1036

94.1371, 99.5294,
108.8573

■ 71.7150, 87.9704,
107.8079

95.0500, 100.0000,
108.9000

■ 66.4803, 85.2718,
107.5630

■ 62.2678, 83.1002,
107.3658

■ 59.0107, 81.4210,
107.2134

■ 56.6342, 80.1959,
107.1022

■ 55.0528, 79.3807,
107.0282

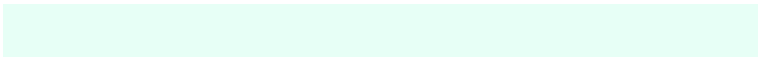
■ 54.1634, 78.9222,
106.9865

■ 53.8100, 78.7400,
106.9700

Harmonies

Analogous

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



85.3119, 95.0709, 100.6440



85.4886, 95.0709, 108.4525



86.9555, 95.0709, 115.2503

Triad

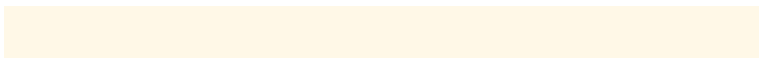
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.4886, 95.0709, 108.4525



94.3714, 95.0709, 113.7151



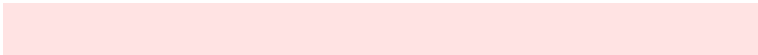
91.3781, 95.0709, 89.4634

Complementary

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



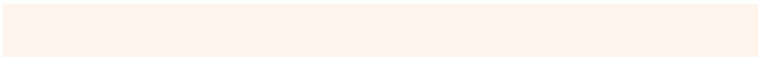
85.4886, 95.0709, 108.4525



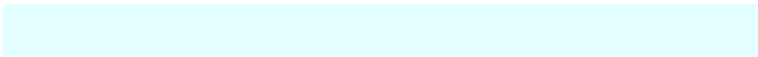
82.5752, 81.7457, 84.1011

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.



93.8564, 95.0709, 92.6066



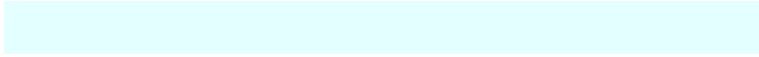
85.4886, 95.0709, 108.4525



95.6076, 95.0709, 106.4423

Square

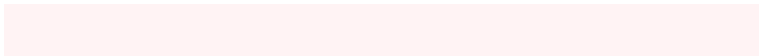
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



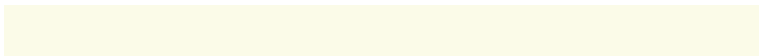
85.4886, 95.0709, 108.4525



92.0697, 95.0709, 118.3926



95.4173, 95.0709, 98.7317



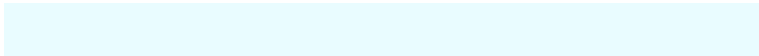
88.6757, 95.0709, 89.9410

Rectangle

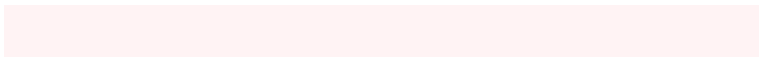
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



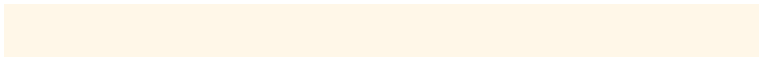
85.4886, 95.0709, 108.4525



88.4845, 95.0709, 118.1719



95.4173, 95.0709, 98.7317



92.2660, 95.0709, 90.1250

Sweetspot

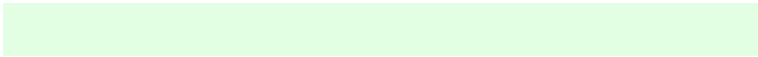
The Sweet Spot groups the original color and five complimentary colors.



85.4893, 95.0713, 108.4526



92.2913, 98.5779, 108.7709



81.3048, 93.3975, 86.4171



19.6004, 21.0204, 23.2742



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

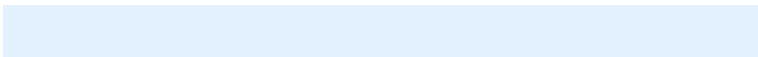
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4893, 95.0713, 108.4526



83.8883, 94.2459, 108.3776



81.1850, 86.4626, 107.0178



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422

Inverse Universe

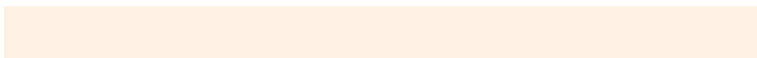
The Inverse Universe completely reimagines the original color for something new.



86.7597, 83.4195, 106.1366



85.3715, 80.6429, 105.6738



86.5611, 89.7175, 85.4297



18.7928, 18.3004, 22.7918



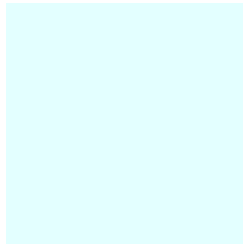
30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 85.4886, 95.0709, 108.4525 looks on a white background.

Color Contrast Check

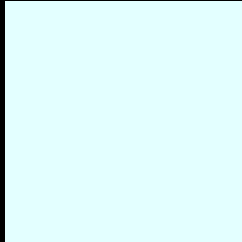
Large Text (above 18pt) WCAG AA × Fail

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 85.4886, 95.0709, 108.4525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

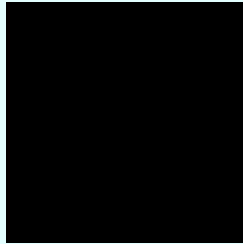
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.4886, 95.0709, 108.4525

Background



This preview shows how black text looks on a background with the XYZ color 85.4886, 95.0709, 108.4525.



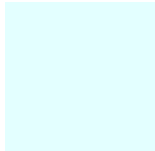
This preview shows how white text looks on a background with the XYZ color 85.4886, 95.0709,

108.4525.

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

85.4886, 95.0709, 108.4525



Protanopia

91.4880, 94.9825, 104.7783

Deuteranopia

92.0715, 94.8098, 105.5429

Tritanopia

89.8918, 95.0037, 108.2075

Trichromacy



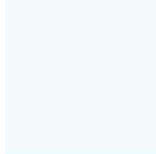
Original Color

85.4886, 95.0709, 108.4525



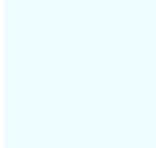
Protanomaly

89.3761, 95.2557, 105.7710



Deuteranomaly

89.5714, 94.8755, 106.5204



Tritanomaly

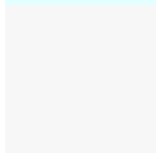
88.1203, 95.0180, 108.3036

Monochromacy



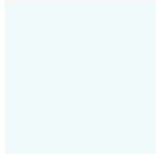
Original Color

85.4886, 95.0709, 108.4525



Achromatopsia

88.4070, 93.0111, 101.2891



Achromatomaly

87.3761, 93.7986, 103.9422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.4886, 95.0709, 108.4525 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(227, 255, 255)` looks like.

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

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

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

Border

The CSS property to change the border of an element to XYZ 85.4886, 95.0709, 108.4525 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(227, 255, 255) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 85.4886, 95.0709, 108.4525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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