

Converting Colors

XYZ(99.8122, 100.0000,
181.4115)

Have a look what the booklet for
XYZ(99.8122, 100.0000, 181.4115)
contains.

XYZ(85.8084, 94.2936, 108.2856)	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(85.8084, 94.2936,
108.2856)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FDFF
RGB	230, 253, 255
RGB Percent	90%, 99%, 100%
CMY	0.0980, 0.0078, 0.0000
CMYK	0.10, 0.01, 0.00, 0.00
HSL	185°, 100%, 95%
HSV	185°, 10%, 100%
XYZ	85.8084, 94.2936, 108.2856
YIQ	246.3510, -14.3500, -4.2540

Conversions

Conversions Part 2

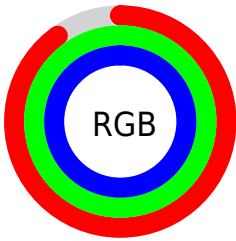
Format	Color
R_{YB}	230, 242, 255
Decimal	15138303
CIE _{Lab}	97.75, -7.06, -3.51
CIE _{LCh}	98, 7.884, 206.459
Yxy	94.2936, 0.2975, 0.3270
Android (android.graphics.Color)	4293328383 (0xFFE6FDFF)
YUV	246.3510, 4.2640, -14.3398
Hunter-Lab	97.1049, -12.1990, 1.8567

Details

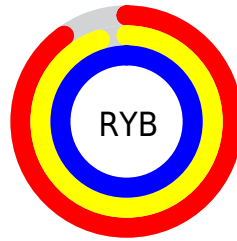
The XYZ color **85.8084, 94.2936, 108.2856** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.3788, 84.6845, 86.7629**, and the grayscale version is **87.8585, 92.4340, 100.6606**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3885, 52.5557, 61.0727** is the 20% darker color. If you saturate the color by 10%, you get **77.5779, 89.1048, 107.7179**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

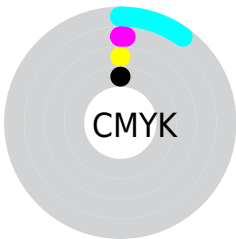
Distribution



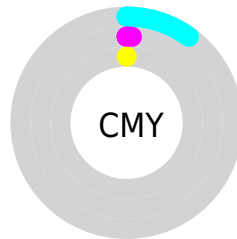
- Red (90%)
- Green (99%)
- Blue (100%)



- Red (90%)
- Yellow (95%)
- Blue (100%)



- Cyan (10%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (10%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.8084, 94.2936, 108.2856 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 85.8084, 94.2936, 108.2856 by changing the saturation by 10% instead.


 85.8084, 94.2936,
108.2856

 85.8084, 94.2936,
108.2856

502.7427,
541.9010, 607.9150

 64.8343, 71.5472,
82.5826


140.4103,
153.2883, 174.6486

 47.5909, 52.7889,
61.3073


174.7688,
190.3054, 216.1457

 33.7129, 37.6342,
44.0410

214.3194,
232.8482, 263.7446

 22.8350, 25.6989,
30.3653

259.4276,
281.3010, 317.8639

 14.5917, 16.5985,
19.8617

310.4587,
336.0483, 378.9220

 8.6178, 9.9487,
12.1114

367.7780,

 4.5479, 5.3649,

397.4745, 447.3375

6.6962

431.7509,
465.9640, 523.5290

■ 2.0165, 2.4629,
3.1973

■ 0.6432, 0.8580,
1.1962

■ 85.8084, 94.2936,
108.2856

■ 85.8084, 94.2936,
108.2856

■ 77.5779, 89.1048,
107.7179

95.0500, 100.0000,
108.9000

■ 70.4970, 84.5162,
107.2054

■ 64.5128, 80.5031,
106.7462

■ 59.5649, 77.0343,
106.3374

■ 55.5874, 74.0758,
105.9760

■ 52.5066, 71.5896,
105.6585

■ 50.2383, 69.5322,
105.3810

■ 48.6822, 67.8519,
105.1387

■ 47.6776, 66.4659,
104.9241

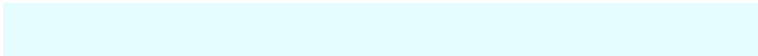
Harmonies

Analogous

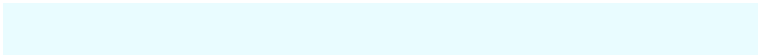
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3772, 94.2936, 101.9069



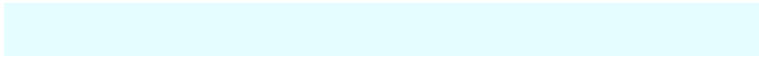
85.8084, 94.2936, 108.2856



87.2557, 94.2936, 113.3388

Triad

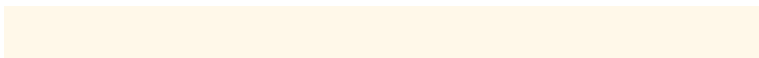
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8084, 94.2936, 108.2856



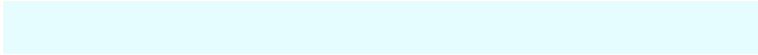
93.2750, 94.2936, 109.6637



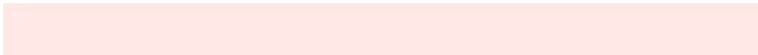
89.8905, 94.2936, 90.8014

Complementary

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



85.8084, 94.2936, 108.2856



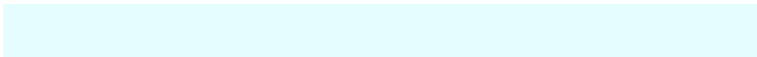
84.3788, 84.6845, 86.7629

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.



92.0332, 94.2936, 92.6920



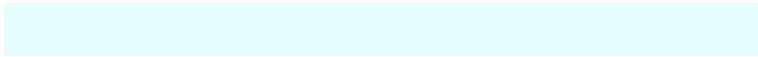
85.8084, 94.2936, 108.2856



94.0077, 94.2936, 103.4363

Square

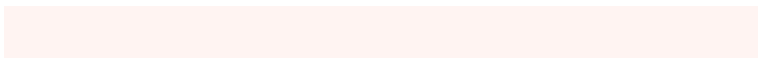
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.8084, 94.2936, 108.2856



91.5633, 94.2936, 114.1576



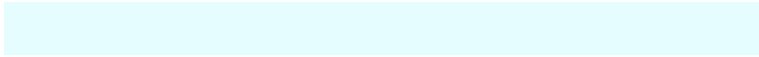
93.5495, 94.2936, 97.2514



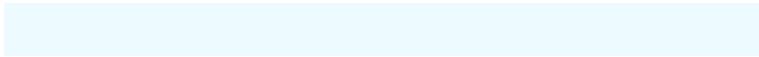
87.7108, 94.2936, 91.9796

Rectangle

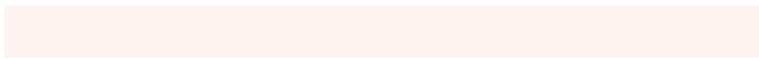
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.8084, 94.2936, 108.2856



88.6148, 94.2936, 115.1832



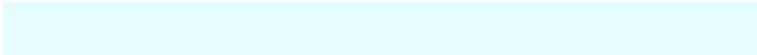
93.5495, 94.2936, 97.2514



90.6393, 94.2936, 91.0970

Sweetspot

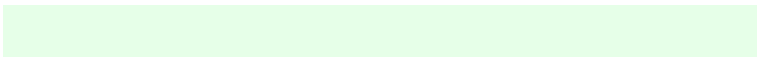
The Sweet Spot groups the original color and five complimentary colors.



85.8108, 94.2974, 108.2863



92.0969, 98.1891, 108.7061



82.9122, 94.1507, 89.9003



19.5476, 20.9150, 23.2567



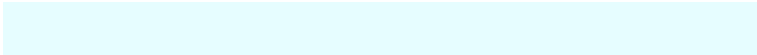
0.0000, 0.0000, 0.0000



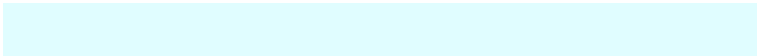
20.3446, 21.4041, 23.3091

Same Dimension

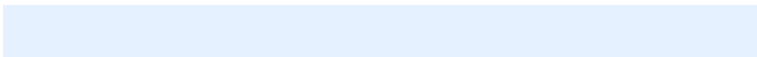
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8108, 94.2974, 108.2863



83.9007, 93.1035, 108.1565



82.0901, 86.8560, 107.0460



18.4236, 20.2188, 23.1815



24.9553, 34.8201, 54.8403



2.4651, 3.4608, 5.3514

Inverse Universe

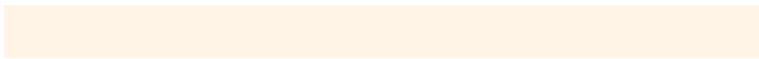
The Inverse Universe completely reimagines the original color for something new.



87.2679, 84.9470, 104.7301



85.6627, 81.8503, 103.8441



87.9243, 91.7755, 87.9448



18.7265, 18.2739, 22.4426



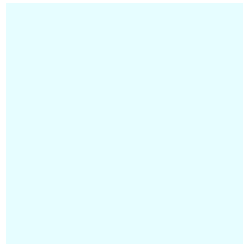
29.3845, 14.2431, 42.2705



2.8789, 1.3939, 4.2094

Previews

White Background



This preview shows how the XYZ color 85.8084, 94.2936, 108.2856 looks on a white background.

Color Contrast Check

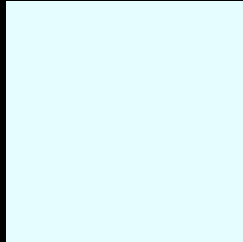
Large Text (above 18pt) WCAG AA × Fail

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 85.8084, 94.2936, 108.2856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

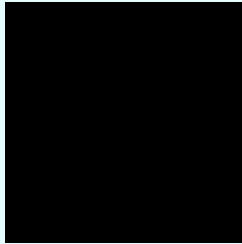
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.8084, 94.2936, 108.2856

Background



This preview shows how black text looks on a background with the XYZ color 85.8084, 94.2936, 108.2856.

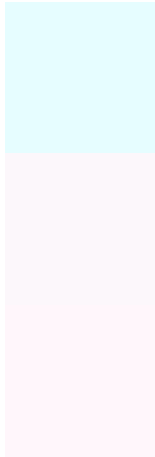


This preview shows how white text looks on a background with the XYZ color 85.8084, 94.2936,

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

85.8084, 94.2936, 108.2856

Protanopia

90.8182, 94.1820, 104.6591

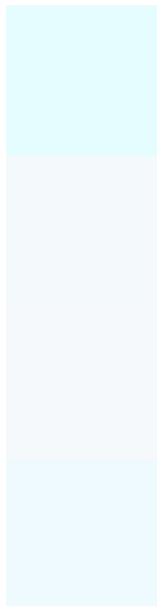
Deuteranopia

91.6084, 94.1366, 104.6087

Tritanopia

89.2339, 94.2045, 108.0879

Trichromacy



Original Color

85.8084, 94.2936, 108.2856

Protanomaly

88.7546, 94.0127, 105.5639

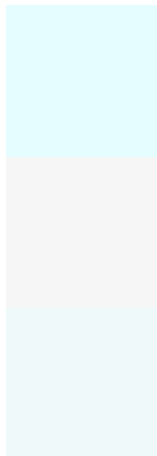
Deuteranomaly

89.4524, 94.3725, 105.5965

Tritanomaly

87.8322, 93.9419, 108.1111

Monochromacy



Original Color

85.8084, 94.2936, 108.2856

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.9097, 93.1162, 103.0151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.8084, 94.2936, 108.2856 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(230, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 253, 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(230, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 85.8084, 94.2936, 108.2856 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(230, 253, 255) }
```


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

```
.border{ border-color:rgb(230, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 253,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 85.8084, 94.2936, 108.2856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 253, 255) }
```

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

```
.background{ background-color: rgb(230,  
253, 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