

Converting Colors

XYZ(83.6738, 92.6022,
108.0717)

Have a look what the booklet for
XYZ(83.6738, 92.6022, 108.0717)
contains.

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Color

**XYZ(83.9117, 92.8484,
108.1066)**

Conversions

Conversions Part 1

Format	Color
Hex	E1FCFF
RGB	225, 252, 255
RGB Percent	88%, 99%, 100%
CMY	0.1176, 0.0117, 0.0000
CMYK	0.12, 0.01, 0.00, 0.00
HSL	186°, 100%, 94%
HSV	186°, 12%, 100%
XYZ	83.9117, 92.8484, 108.1066
YIQ	244.2690, -17.0550, -4.7910

Conversions

Conversions Part 2

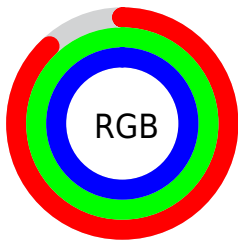
Format	Color
R _Y B	225, 239, 255
Decimal	14810367
CIE Lab	97.17, -8.13, -4.41
CIE LCh	97, 9.246, 208.484
Yxy	92.8484, 0.2946, 0.3259
Android (android.graphics.Color)	4293000447 (0xFFE1FCFF)
YUV	244.2690, 5.2904, -16.8989
Hunter-Lab	96.3579, -13.1824, 0.9314

Details

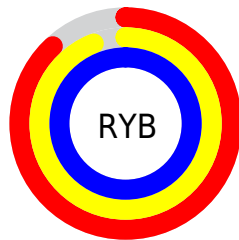
The XYZ color **83.9117, 92.8484, 108.1066** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.5733, 82.1812, 82.7461**, and the grayscale version is **86.1752, 90.6630, 98.7321**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0703, 51.5424, 60.9466** is the 20% darker color. If you saturate the color by 10%, you get **75.7547, 87.4671, 107.4979**, and if you desaturate by 10%, it is **93.2714, 98.8707, 108.7758**.

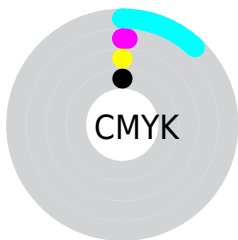
Distribution



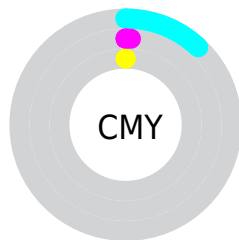
- Red (88%)
- Green (99%)
- Blue (100%)



- Red (88%)
- Yellow (94%)
- Blue (100%)



- Cyan (12%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.9117, 92.8484, 108.1066 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 83.9117, 92.8484, 108.1066 by changing the saturation by 10% instead.


 83.9117, 92.8484,
108.1066

 83.9117, 92.8484,
108.1066


496.5581,
537.2537, 607.3494

 63.2620, 70.3455,
82.4332


137.7735,
151.2887, 174.4024

 46.3126, 51.8083,
61.1848


171.7164,
187.9949, 215.8619

 32.6983, 36.8523,
43.9428


210.8210,
230.2043, 263.4205

 22.0535, 25.0931,
30.2887

255.4528,
278.3014, 317.4968

 14.0131, 16.1464,
19.8039

305.9770,
332.6705, 378.5093

 8.2115, 9.6278,
12.0699

362.7590,

 4.2835, 5.1529,

393.6959, 446.8766

6.6682

426.1643,
461.7622, 523.0171

■ 1.8638, 2.3373,
3.1802

■ 0.5556, 0.7933,
1.1874

■ 83.9117, 92.8484,
108.1066

■ 83.9117, 92.8484,
108.1066

■ 75.7547, 87.4671,
107.4979

■ 93.2714, 98.8707,
108.7758

■ 68.7407, 82.6882,
106.9452

■ 95.0500, 100.0000,
108.9000

■ 62.8156, 78.4866,
106.4464

■ 57.9184, 74.8305,
105.9989

■ 53.9815, 71.6851,
105.5992

■ 50.9295, 69.0116,
105.2440

■ 48.6757, 66.7650,
104.9292

■ 47.1152, 64.8913,
104.6498

■ 46.2205, 63.5610,
104.4402

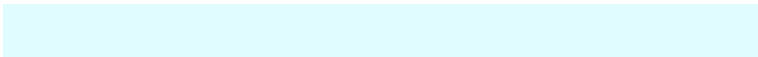
Harmonies

Analogous

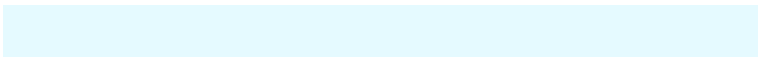
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3274, 92.8484, 100.7163



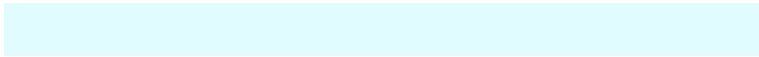
83.9117, 92.8484, 108.1066



85.6522, 92.8484, 113.8502

Triad

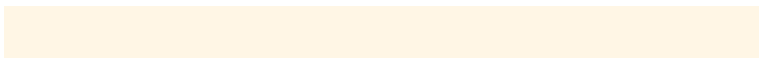
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9117, 92.8484, 108.1066



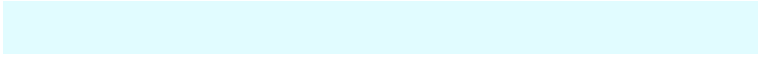
92.5973, 92.8484, 108.7969



88.3825, 92.8484, 87.3985

Complementary

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



83.9117, 92.8484, 108.1066



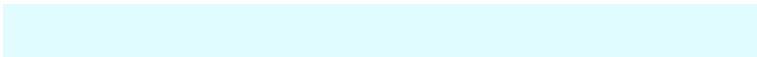
82.5733, 82.1812, 82.7461

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.



90.8991, 92.8484, 89.3320



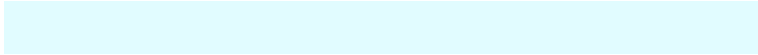
83.9117, 92.8484, 108.1066



93.3620, 92.8484, 101.4769

Square

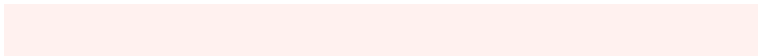
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



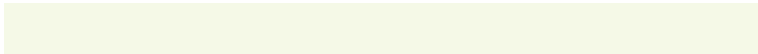
83.9117, 92.8484, 108.1066



90.6647, 92.8484, 114.2624



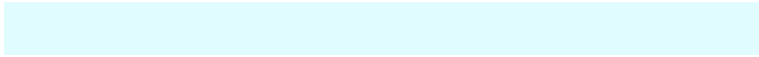
92.7345, 92.8484, 94.3955



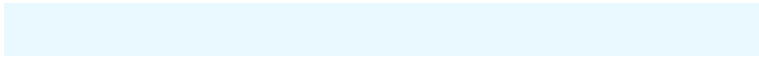
85.8778, 92.8484, 88.9822

Rectangle

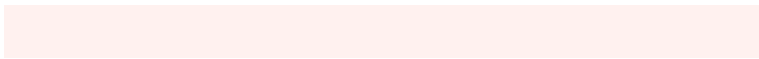
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9117, 92.8484, 108.1066



87.2515, 92.8484, 115.8434



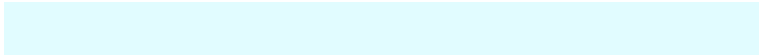
92.7345, 92.8484, 94.3955



89.2553, 92.8484, 87.6568

Sweetspot

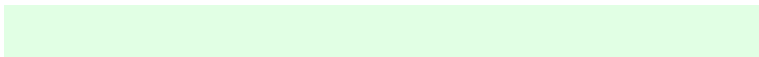
The Sweet Spot groups the original color and five complimentary colors.



83.9141, 92.8522, 108.1073



91.0725, 97.4686, 108.6210



80.7465, 93.1017, 86.7514



19.3379, 20.7629, 23.2384



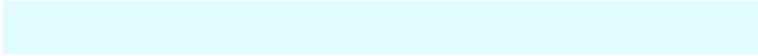
0.0000, 0.0000, 0.0000



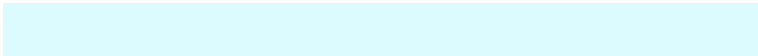
20.3446, 21.4041, 23.3091

Same Dimension

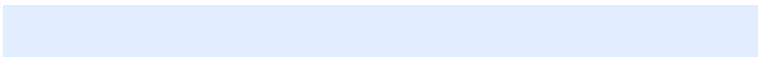
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9141, 92.8522, 108.1073



81.9874, 91.5940, 107.9659



79.5315, 84.0869, 106.6464



18.3908, 20.1532, 23.1706



24.2143, 33.3383, 54.5933



2.4006, 3.3319, 5.3299

Inverse Universe

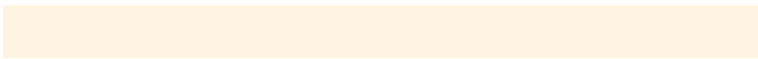
The Inverse Universe completely reimagines the original color for something new.



85.7373, 82.1401, 103.4359



84.1313, 79.0723, 102.4561



86.7323, 90.4992, 84.1324



18.7099, 18.2673, 22.3555



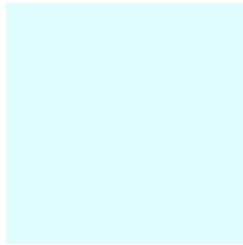
29.0105, 14.0935, 40.3012



2.8463, 1.3809, 4.0381

Previews

White Background



This preview shows how the XYZ color 83.9117, 92.8484, 108.1066 looks on a white background.

Color Contrast Check

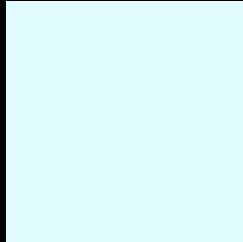
Large Text (above 18pt) WCAG AA × Fail

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 83.9117, 92.8484, 108.1066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

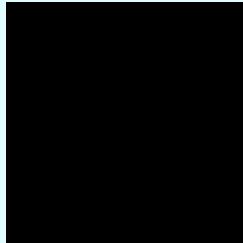
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.9117, 92.8484, 108.1066

Background



This preview shows how black text looks on a background with the XYZ color 83.9117, 92.8484, 108.1066.

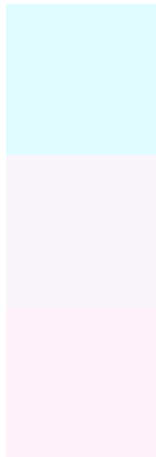


This preview shows how white text looks on a background with the XYZ color 83.9117, 92.8484,

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

83.9117, 92.8484, 108.1066

Protanopia

89.1319, 92.4096, 104.4059

Deuteranopia

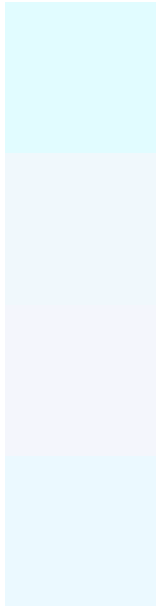
90.7032, 92.3262, 104.3070



Tritanopia

87.5526, 92.8801, 107.9209

Trichromacy



Original Color

83.9117, 92.8484, 108.1066

Protanomaly

87.0733, 92.6883, 105.3968

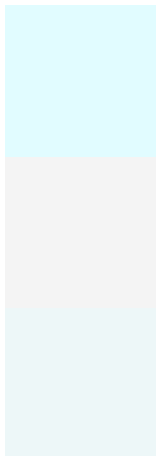
Deuteranomaly

87.8347, 92.1729, 105.2572

Tritanomaly

86.1866, 92.6335, 107.9453

Monochromacy



Original Color

83.9117, 92.8484, 108.1066

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.1291, 91.3034, 101.9435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.9117, 92.8484, 108.1066 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(225, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 252, 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(225, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.9117, 92.8484, 108.1066 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(225, 252, 255) }
```


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

```
.border{ border-color:rgb(225, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.9117, 92.8484, 108.1066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 252, 255) }
```

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

```
.background{ background-color: rgb(225,  
252, 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](#).

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