

# Converting Colors

XYZ(85.5635, 92.8973,  
117.7961)

Have a look what the booklet for  
XYZ(85.5635, 92.8973, 117.7961)  
contains.

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# Color

**XYZ(83.9112, 92.3831,  
108.0169)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2FBFF
RGB	226, 251, 255
RGB Percent	89%, 98%, 100%
CMY	0.1137, 0.0157, 0.0000
CMYK	0.11, 0.02, 0.00, 0.00
HSL	188°, 100%, 94%
HSV	188°, 11%, 100%
XYZ	83.9112, 92.3831, 108.0169
YIQ	243.9810, -16.1840, -4.0560

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 239, 255
Decimal	14875647
CIE Lab	96.98, -7.31, -4.68
CIE LCh	97, 8.682, 212.627
Yxy	92.3831, 0.2951, 0.3249
Android (android.graphics.Color)	4293065727 (0xFFE2FBFF)
YUV	243.9810, 5.4324, -15.7693
Hunter-Lab	96.1161, -12.3693, 0.6502

# Details

The XYZ color **83.9112, 92.3831, 108.0169** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.2637, 83.3429, 83.6514**, and the grayscale version is **85.9431, 90.4189, 98.4662**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0624, 51.2068, 60.8822** is the 20% darker color. If you saturate the color by 10%, you get **75.4154, 86.3919, 107.3082**, and if you desaturate by 10%, it is **93.6213, 99.0356, 108.7891**.

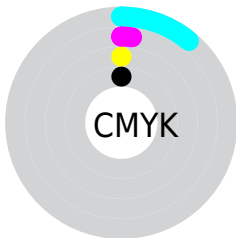
# Distribution



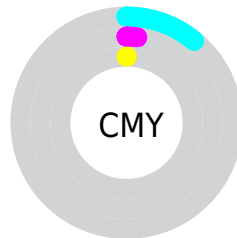
- Red (89%)
- Green (98%)
- Blue (100%)



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



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.9112, 92.3831, 108.0169 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 83.9112, 92.3831, 108.0169 by changing the saturation by 10% instead.



83.9112, 92.3831,  
108.0169

83.9112, 92.3831,  
108.0169

496.5564,  
535.7529, 607.0659

63.2616, 69.9589,  
82.3584

137.7729,  
150.6442, 174.2790

46.3123, 51.4930,  
61.1234

171.7156,  
187.2500, 215.7197

32.6980, 36.6011,  
43.8936

210.8201,  
229.3516, 263.2581

22.0533, 24.8988,  
30.2503

255.4517,  
277.3336, 317.3129

14.0129, 16.0017,  
19.7750

305.9758,  
331.5803, 378.3025

8.2114, 9.5253,  
12.0491

362.7577,

4.2835, 5.0854,

392.4762, 446.6455

6.6542

426.1628,  
460.4056, 522.7605

■ 1.8637, 2.2975,  
3.1716

■ 0.5556, 0.7724,  
1.1829

■ 83.9112, 92.3831,  
108.0169

■ 83.9112, 92.3831,  
108.0169

■ 75.4154, 86.3919,  
107.3082

■ 93.6213, 99.0356,  
108.7891

■ 68.0743, 81.0235,  
106.6589

■ 95.0500, 100.0000,  
108.9000

■ 61.8341, 76.2525,  
106.0669

■ 56.6335, 72.0473,  
105.5294

■ 52.4055, 68.3729,  
105.0430

■ 49.0749, 65.1907,  
104.6043

■ 46.5553, 62.4557,  
104.2092

■ 44.7428, 60.1144,  
103.8528

■ 43.6098, 58.3395,  
103.5699

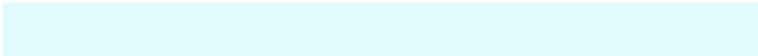
# Harmonies

## Analogous

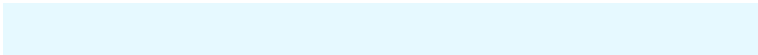
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1990, 92.3831, 101.2072



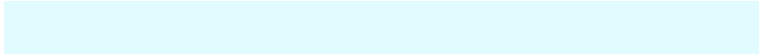
83.9112, 92.3831, 108.0169



85.6657, 92.3831, 113.0124

# Triad

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



83.9112, 92.3831, 108.0169



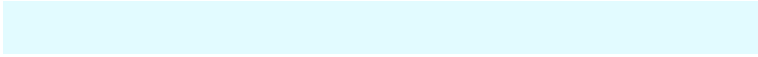
92.0442, 92.3831, 106.9012



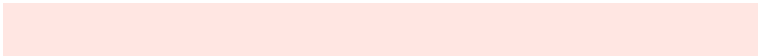
87.5923, 92.3831, 87.7430

# Complementary

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



83.9112, 92.3831, 108.0169



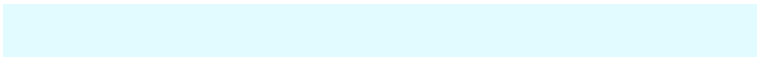
83.2637, 83.3429, 83.6514

# 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.



89.9844, 92.3831, 89.1120



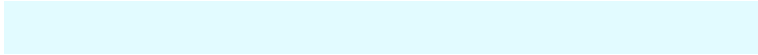
83.9112, 92.3831, 108.0169



92.5828, 92.3831, 99.9743

# Square

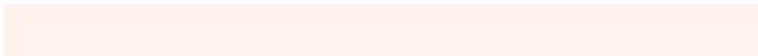
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9112, 92.3831, 108.0169



90.3639, 92.3831, 112.3476



91.8223, 92.3831, 93.5106

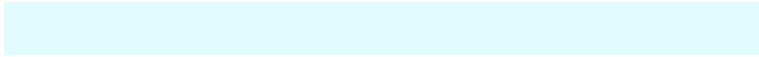


85.2995, 92.3831, 89.6818

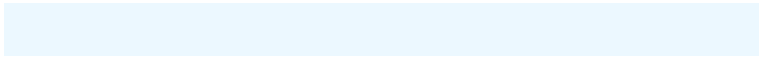


# Rectangle

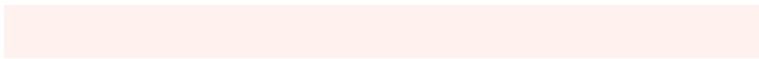
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



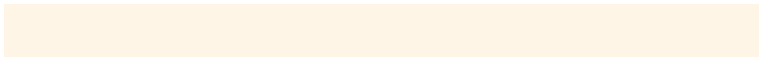
83.9112, 92.3831, 108.0169



87.2061, 92.3831, 114.5265



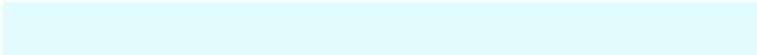
91.8223, 92.3831, 93.5106



88.4114, 92.3831, 87.8317

# Sweetspot

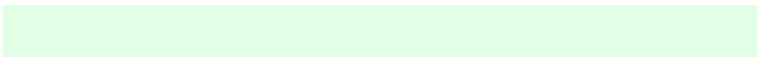
The Sweet Spot groups the original color and five complimentary colors.



83.9136, 92.3868, 108.0175



91.9561, 97.9073, 108.6591



81.3892, 93.3949, 88.5035



19.5095, 20.8387, 23.2440



0.0000, 0.0000, 0.0000

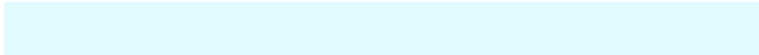


20.3446, 21.4041, 23.3091

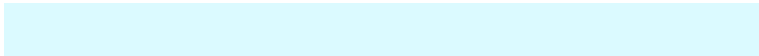


# Same Dimension

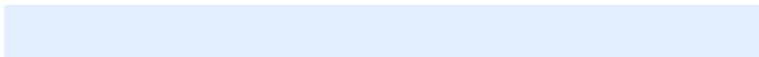
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9136, 92.3868, 108.0175



81.5649, 90.7489, 107.8251



79.5932, 83.7462, 106.5774



18.3290, 20.0295, 23.1500



22.8694, 30.6484, 54.1450



2.2830, 3.0967, 5.2907



# Inverse Universe

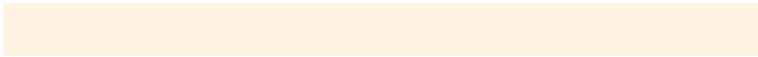
The Inverse Universe completely reimagines the original color for something new.



85.8504, 82.6193, 102.6936



83.9181, 78.9870, 101.3331



87.4291, 91.6738, 85.0399



18.6787, 18.2548, 22.1911



28.3316, 13.8219, 36.7264

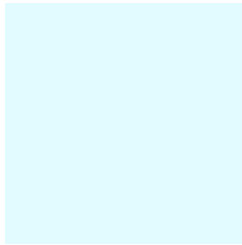


2.7870, 1.3572, 3.7255



# Previews

## White Background



This preview shows how the XYZ color 83.9112, 92.3831, 108.0169 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

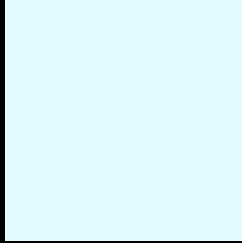
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.9112, 92.3831, 108.0169 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

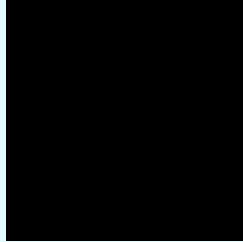
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 83.9112, 92.3831, 108.0169**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.9112, 92.3831, 108.0169.



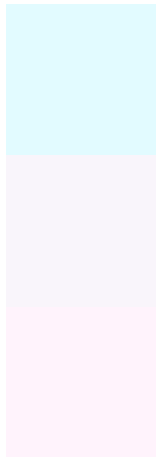
This preview shows how white text looks on a background with the XYZ color 83.9112, 92.3831,



# 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

83.9112, 92.3831, 108.0169

### Protanopia

89.1319, 92.4096, 104.4059

### Deuteranopia

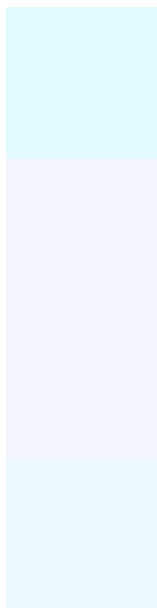
90.8613, 92.3895, 105.1395



## Tritanopia

86.9074, 92.0923, 107.8028

# Trichromacy



## Original Color

83.9112, 92.3831, 108.0169

## Protanomaly

87.1071, 92.2506, 105.3106

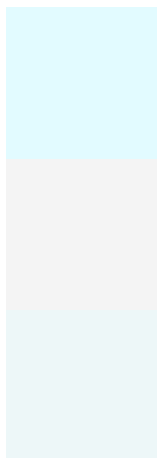
## Deuteranomaly

87.9936, 92.2365, 106.0942

## Tritanomaly

85.5491, 91.8472, 107.8271

# Monochromacy



## Original Color

83.9112, 92.3831, 108.0169

## 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 83.9112, 92.3831, 108.0169 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(226, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 251, 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(226, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 251, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 83.9112, 92.3831, 108.0169 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(226, 251, 255) }
```



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

```
.border{ border-color:rgb(226, 251, 255) }
```

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

Here you see how a box with a 4 pixel rgb(226, 251, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 251,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.9112, 92.3831, 108.0169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 251, 255) }
```

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

```
.background{ background-color: rgb(226,  
251, 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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