

# Converting Colors

XYZ(83.9998, 92.1168,  
107.9608)

Have a look what the booklet for  
XYZ(83.9998, 92.1168, 107.9608)  
contains.

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# **Color**

**XYZ(83.9142, 91.9221,  
107.9277)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3FAFF
RGB	227, 250, 255
RGB Percent	89%, 98%, 100%
CMY	0.1098, 0.0196, 0.0000
CMYK	0.11, 0.02, 0.00, 0.00
HSL	191°, 100%, 95%
HSV	191°, 11%, 100%
XYZ	83.9142, 91.9221, 107.9277
YIQ	243.6930, -15.3130, -3.3210

# Conversions

## Conversions Part 2

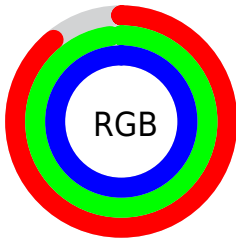
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 240, 255
Decimal	14940927
CIE <sub>Lab</sub>	96.79, -6.49, -4.95
CIE <sub>LCh</sub>	97, 8.166, 217.316
Yxy	91.9221, 0.2957, 0.3239
Android (android.graphics.Color)	4293131007 (0xFFE3FAFF)
YUV	243.6930, 5.5744, -14.6398
Hunter-Lab	95.8760, -11.5533, 0.3704

# Details

The XYZ color **83.9142, 91.9221, 107.9277** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.9612, 84.5177, 84.5631**, and the grayscale version is **85.7115, 90.1752, 98.2007**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2794, 51.3187, 60.8924** is the 20% darker color. If you saturate the color by 10%, you get **75.0633, 85.2885, 107.1138**, and if you desaturate by 10%, it is **93.9951, 99.2454, 108.8100**.

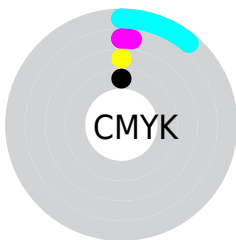
# Distribution



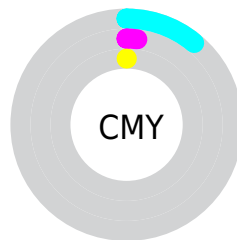
- Red (89%)
- Green (98%)
- Blue (100%)



- 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 83.9142, 91.9221, 107.9277 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 83.9142, 91.9221, 107.9277 by changing the saturation by 10% instead.



83.9142, 91.9221,  
107.9277

83.9142, 91.9221,  
107.9277

496.5662,  
534.2637, 606.7839

63.2641, 69.5759,  
82.2839

137.7770,  
150.0054, 174.1563

46.3143, 51.1809,  
61.0624

171.7204,  
186.5114, 215.5782

32.6996, 36.3526,  
43.8446

210.8257,  
228.5060, 263.0965

22.0546, 24.7066,  
30.2121

255.4580,  
276.3738, 317.1299

14.0138, 15.8586,  
19.7462

305.9829,  
330.4990, 378.0967

8.2120, 9.4242,  
12.0285

362.7657,

4.2839, 5.0189,

391.2662, 446.4157

6.6403

426.1717,  
459.0596, 522.5052

■ 1.8640, 2.2583,  
3.1632

■ 0.5558, 0.7515,  
1.1785

■ 83.9142, 91.9221,  
107.9277

■ 83.9142, 91.9221,  
107.9277

■ 75.0633, 85.2885,  
107.1138

93.9951, 99.2454,  
108.8100

■ 67.3829, 79.3061,  
106.3639

95.0500, 100.0000,  
108.9000

■ 60.8190, 73.9492,  
105.6759

■ 55.3107, 69.1860,  
105.0468

■ 50.7909, 64.9816,  
104.4735

■ 47.1847, 61.2970,  
103.9523

■ 44.4062, 58.0875,  
103.4793

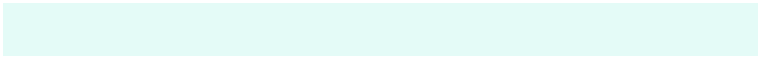
■ 42.3521, 55.2996,  
103.0494

■ 40.9756, 53.0713,  
102.6919

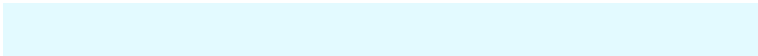
# Harmonies

## Analogous

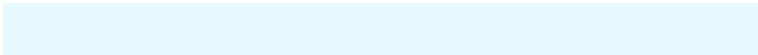
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0746, 91.9221, 101.7019



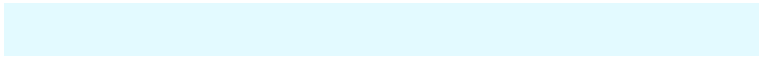
83.9142, 91.9221, 107.9277



85.6822, 91.9221, 112.1781

# Triad

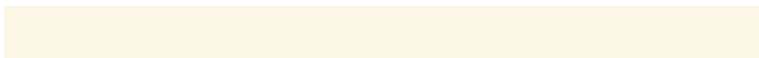
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9142, 91.9221, 107.9277



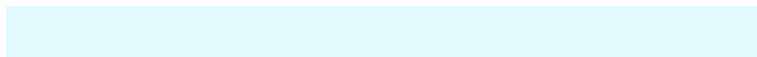
91.4947, 91.9221, 105.0295



86.8097, 91.9221, 88.0946

# Complementary

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



83.9142, 91.9221, 107.9277



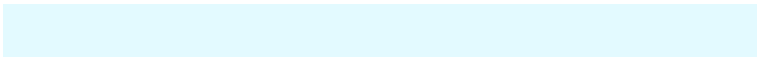
83.9612, 84.5177, 84.5631

# 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.



89.0782, 91.9221, 88.8985



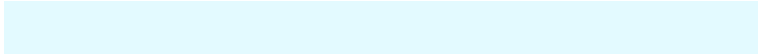
83.9142, 91.9221, 107.9277



91.8093, 91.9221, 98.4904

# Square

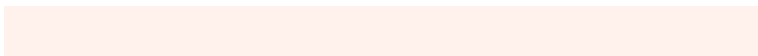
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9142, 91.9221, 107.9277



90.0655, 91.9221, 110.4544



90.9178, 91.9221, 92.6366

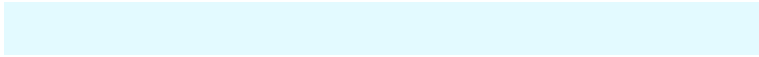


84.7273, 91.9221, 90.3905

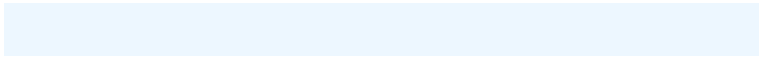


# Rectangle

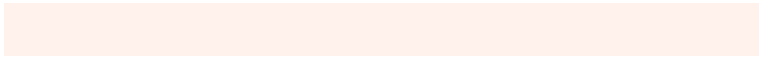
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



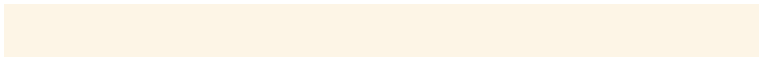
83.9142, 91.9221, 107.9277



87.1632, 91.9221, 113.2188



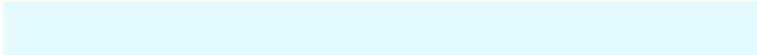
90.9178, 91.9221, 92.6366



87.5755, 91.9221, 88.0130

# Sweetspot

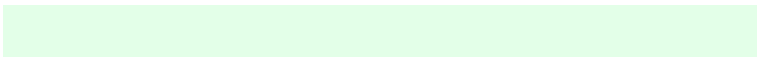
The Sweet Spot groups the original color and five complimentary colors.



83.9166, 91.9258, 107.9283



91.8575, 97.7102, 108.6263



81.9578, 93.6587, 89.8557



19.4828, 20.7853, 23.2351



0.0000, 0.0000, 0.0000

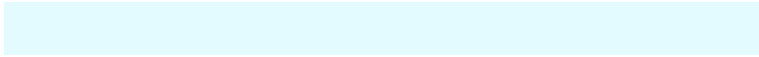


20.3446, 21.4041, 23.3091

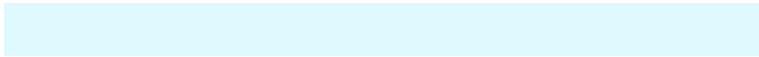


# Same Dimension

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



83.9166, 91.9258, 107.9283



82.0306, 90.5306, 107.7584



79.8213, 83.7352, 106.5632



18.2630, 19.8977, 23.1280



21.5108, 27.9312, 53.6921



2.1632, 2.8571, 5.2507



# Inverse Universe

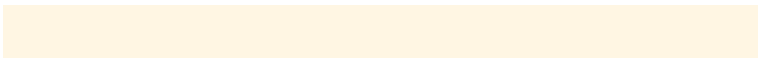
The Inverse Universe completely reimagines the original color for something new.



85.9659, 83.1019, 101.9563



84.4338, 80.2678, 100.7362



87.9602, 92.5156, 85.8961



18.6454, 18.2415, 22.0159



27.6459, 13.5476, 33.1153

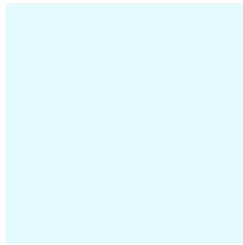


2.7265, 1.3330, 3.4071



# Previews

## White Background



This preview shows how the XYZ color 83.9142, 91.9221, 107.9277 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

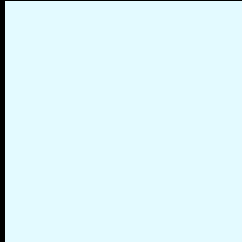
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.9142, 91.9221, 107.9277 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 83.9142, 91.9221, 107.9277

## Background



This preview shows how black text looks on a background with the XYZ color 83.9142, 91.9221, 107.9277.



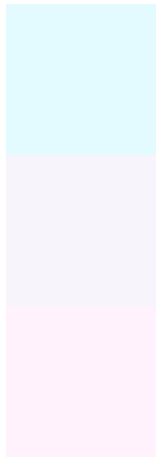
This preview shows how white text looks on a background with the XYZ color 83.9142, 91.9221,

107.9277.

# 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

83.9142, 91.9221, 107.9277

### Protanopia

88.6328, 91.6861, 105.1212

### Deuteranopia

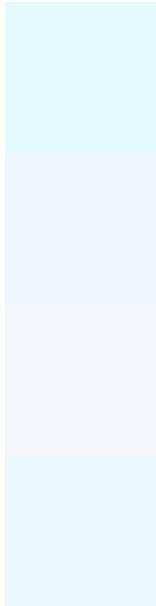
90.5628, 91.7925, 105.0400



## Tritanopia

86.9074, 92.0923, 107.8028

# Trichromacy



## Original Color

83.9142, 91.9221, 107.9277

## Protanomaly

86.6206, 91.5286, 106.0299

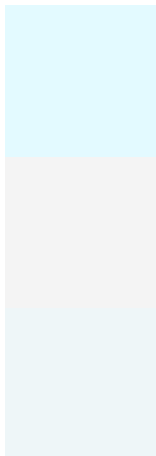
## Deuteranomaly

88.0382, 91.8091, 106.0093

## Tritanomaly

85.8784, 92.0170, 107.8425

# Monochromacy



## Original Color

83.9142, 91.9221, 107.9277

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

85.1589, 90.8660, 101.8575

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.9142, 91.9221, 107.9277 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, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 250, 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, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 250, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 83.9142, 91.9221, 107.9277 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, 250, 255) }
```



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

```
.border{ border-color:rgb(227, 250, 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, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 250,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.9142, 91.9221, 107.9277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 250, 255) }
```

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

```
.background{ background-color: rgb(227,  
250, 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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