

# Converting Colors

XYZ(83.0912, 89.3342,  
107.4716)

Have a look what the booklet for  
XYZ(83.0912, 89.3342, 107.4716)  
contains.

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# **Color**

**XYZ(83.0155, 89.1828,  
107.4464)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5F5FF
RGB	229, 245, 255
RGB Percent	90%, 96%, 100%
CMY	0.1020, 0.0392, 0.0000
CMYK	0.10, 0.04, 0.00, 0.00
HSL	203°, 100%, 95%
HSV	203°, 10%, 100%
XYZ	83.0155, 89.1828, 107.4464
YIQ	241.3560, -12.7460, -0.2820

# Conversions

## Conversions Part 2

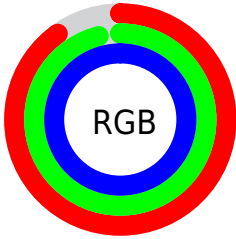
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 239, 255
Decimal	15070719
CIE Lab	95.66, -3.34, -6.60
CIE LCh	96, 7.399, 243.208
Yxy	89.1828, 0.2969, 0.3189
Android (android.graphics.Color)	4293260799 (0xFFE5F5FF)
YUV	241.3560, 6.7265, -10.8362
Hunter-Lab	94.4366, -8.3519, -1.3522

# Details

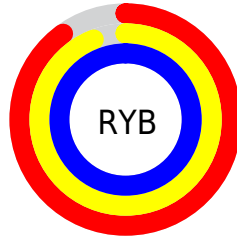
The XYZ color **83.0155, 89.1828, 107.4464** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.2487, 88.6484, 86.6954**, and the grayscale version is **83.8474, 88.2139, 96.0650**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6242, 49.3566, 60.5482** is the 20% darker color. If you saturate the color by 10%, you get **72.5818, 79.5196, 106.1311**, and if you desaturate by 10%, it is **94.8061, 99.7836, 108.8711**.

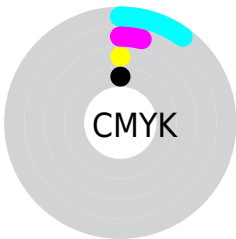
# Distribution



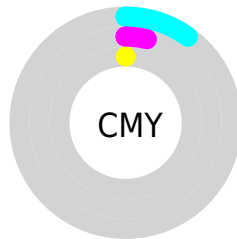
- Red (90%)
- Green (96%)
- Blue (100%)



- Red (90%)
- Yellow (94%)
- Blue (100%)



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.0155, 89.1828, 107.4464 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 83.0155, 89.1828, 107.4464 by changing the saturation by 10% instead.



83.0155, 89.1828,  
107.4464

83.0155, 89.1828,  
107.4464

493.6213,  
525.3689, 605.2611

62.5199, 67.3031,  
81.8823

136.5256,  
146.2027, 173.4940

45.7101, 49.3310,  
60.7333

170.2708,  
182.1117, 214.8146

32.2208, 34.8821,  
43.5808

209.1632,  
223.4659, 262.2244

21.6865, 23.5721,  
30.0063

253.5682,  
270.6498, 316.1421

13.7421, 15.0165,  
19.5913

303.8512,  
324.0476, 376.9860

8.0220, 8.8310,  
11.9172

360.3774,

4.1609, 4.6311,

384.0438, 445.1748

6.5654

423.5124,  
451.0228, 521.1270

■ 1.7936, 2.0325,  
3.1176

■ 0.5138, 0.6262,  
1.1550

■ 83.0155, 89.1828,  
107.4464

■ 83.0155, 89.1828,  
107.4464

■ 72.5818, 79.5196,  
106.1311

94.8061, 99.7836,  
108.8711

■ 63.4438, 70.7516,  
104.9203

95.0500, 100.0000,  
108.9000

■ 55.5455, 62.8487,  
103.8112

■ 48.8241, 55.7749,  
102.8001

■ 43.2107, 49.4907,  
101.8830

■ 38.6288, 43.9528,  
101.0555

■ 34.9908, 39.1119,  
100.3129

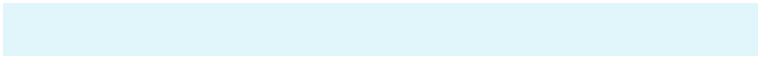
■ 32.1927, 34.9103,  
99.6494

■ 30.1015, 31.3230,  
99.0672

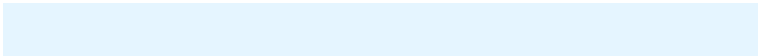
# Harmonies

## Analogous

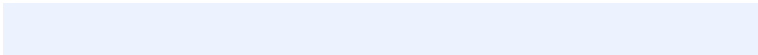
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5364, 89.1828, 103.3670



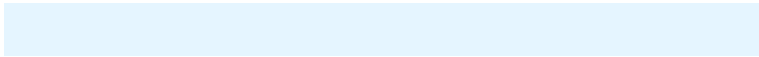
83.0155, 89.1828, 107.4464



84.9845, 89.1828, 108.7185

# Triad

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



83.0155, 89.1828, 107.4464



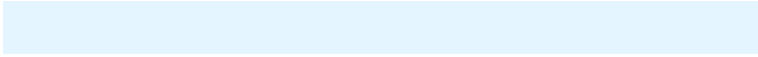
88.7292, 89.1828, 96.4797



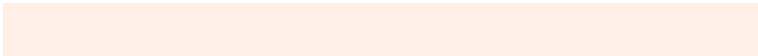
82.6424, 89.1828, 88.0348

# Complementary

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



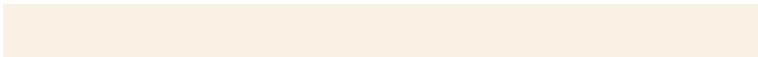
83.0155, 89.1828, 107.4464



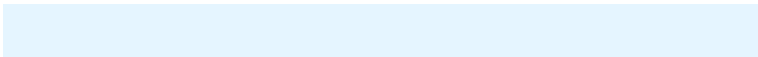
86.2487, 88.6484, 86.6954

# Split Complementary

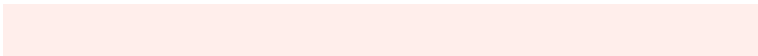
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5470, 89.1828, 86.3493



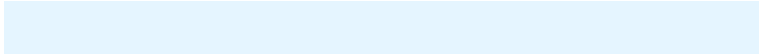
83.0155, 89.1828, 107.4464



88.0789, 89.1828, 91.1009

# Square

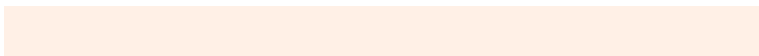
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



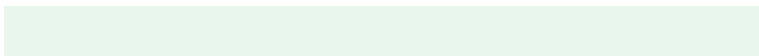
83.0155, 89.1828, 107.4464



88.3035, 89.1828, 102.2398



86.5401, 89.1828, 87.4492

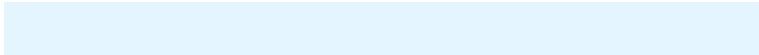


81.3234, 89.1828, 92.1449



# Rectangle

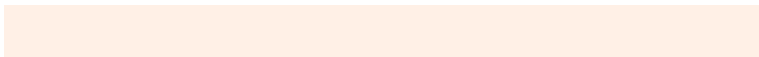
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.0155, 89.1828, 107.4464



86.3155, 89.1828, 107.7634



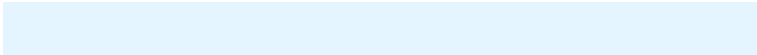
86.5401, 89.1828, 87.4492



83.2343, 89.1828, 87.1735

# Sweetspot

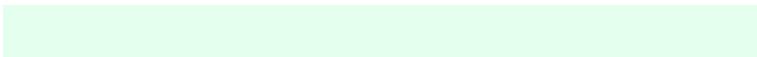
The Sweet Spot groups the original color and five complimentary colors.



83.0178, 89.1864, 107.4469



91.3603, 96.7157, 108.4605



83.6490, 94.4085, 95.4505



19.3483, 20.5164, 23.1902



0.0000, 0.0000, 0.0000

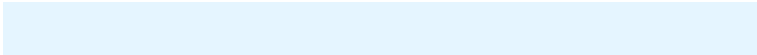


20.3446, 21.4041, 23.3091

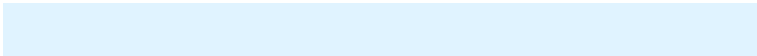


# Same Dimension

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



83.0178, 89.1864, 107.4469



81.0359, 87.3739, 107.2015



79.2303, 81.6114, 106.1844



17.9341, 19.2398, 23.0184



15.8777, 16.6649, 51.8144



1.6518, 1.8343, 5.0803



# Inverse Universe

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



85.7422, 83.8927, 98.0643



84.2166, 81.2719, 96.2294



90.1832, 96.5173, 88.0069



18.4794, 18.1751, 21.1415



24.8025, 12.4103, 18.1424

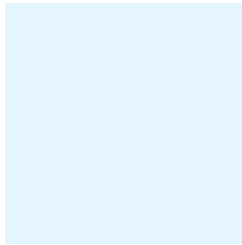


2.4684, 1.2297, 2.0478



# Previews

## White Background



This preview shows how the XYZ color 83.0155, 89.1828, 107.4464 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

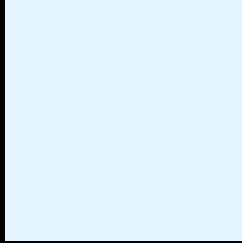
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.0155, 89.1828, 107.4464 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

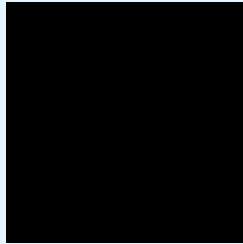
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

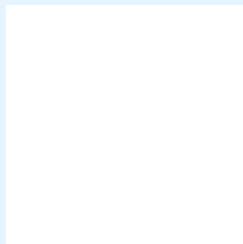
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.0155, 89.1828, 107.4464

## Background



This preview shows how black text looks on a background with the XYZ color 83.0155, 89.1828, 107.4464.



This preview shows how white text looks on a background with the XYZ color 83.0155, 89.1828,



# 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

83.0155, 89.1828, 107.4464

### Protanopia

86.4931, 89.2355, 105.5940

### Deuteranopia

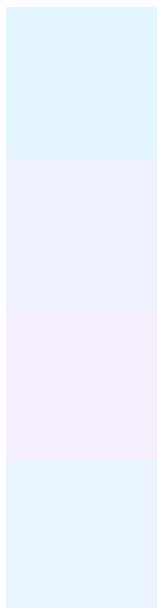
89.2538, 88.9202, 105.3876



## Tritanopia

84.3615, 88.9834, 107.3369

# Trichromacy



## Original Color

83.0155, 89.1828, 107.4464

## Protanomaly

85.2381, 89.0107, 106.4542

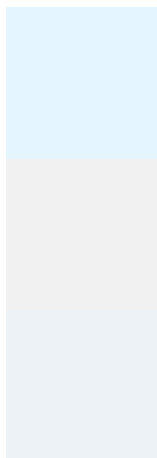
## Deuteranomaly

87.0555, 89.0688, 106.3696

## Tritanomaly

84.0050, 89.2450, 107.4062

# Monochromacy



## Original Color

83.0155, 89.1828, 107.4464

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

83.3117, 88.1626, 99.8149

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.0155, 89.1828, 107.4464 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(229, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 245, 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(229, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 245, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 83.0155, 89.1828, 107.4464 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(229, 245, 255) }
```



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

```
.border{ border-color:rgb(229, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 245,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.0155, 89.1828, 107.4464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 245, 255) }
```

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

```
.background{ background-color: rgb(229,  
245, 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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