

Converting Colors

XYZ(83.3839, 91.8437,
107.9405)

Have a look what the booklet for
XYZ(83.3839, 91.8437, 107.9405)
contains.

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Color

**XYZ(83.2869, 91.5988,
107.8984)**

Conversions

Conversions Part 1

Format	Color
Hex	E1FAFF
RGB	225, 250, 255
RGB Percent	88%, 98%, 100%
CMY	0.1176, 0.0196, 0.0000
CMYK	0.12, 0.02, 0.00, 0.00
HSL	190°, 100%, 94%
HSV	190°, 12%, 100%
XYZ	83.2869, 91.5988, 107.8984
YIQ	243.0950, -16.5050, -3.7450

Conversions

Conversions Part 2

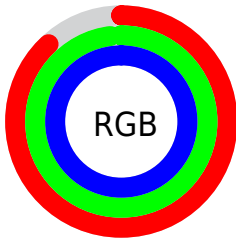
Format	Color
R _Y B	225, 239, 255
Decimal	14809855
CIE Lab	96.66, -7.12, -5.16
CIE LCh	97, 8.795, 215.927
Yxy	91.5988, 0.2945, 0.3239
Android (android.graphics.Color)	4292999935 (0xFFE1FAFF)
YUV	243.0950, 5.8692, -15.8693
Hunter-Lab	95.7073, -12.1525, 0.1528

Details

The XYZ color **83.2869, 91.5988, 107.8984** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.1267, 83.2880, 82.9305**, and the grayscale version is **85.2332, 89.6720, 97.6528**.

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 **74.6194, 85.1965, 107.1194**, and if you desaturate by 10%, it is **93.1760, 98.6800, 108.7440**.

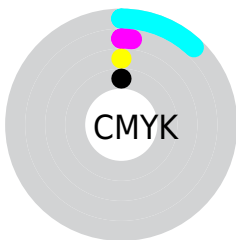
Distribution



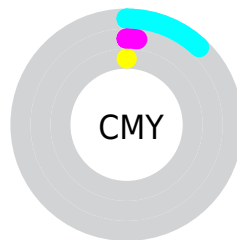
- Red (88%)
- Green (98%)
- Blue (100%)



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



- Cyan (12%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.2869, 91.5988, 107.8984 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 83.2869, 91.5988, 107.8984 by changing the saturation by 10% instead.

83.2869, 91.5988,
107.8984

83.2869, 91.5988,
107.8984

494.5117,
533.2181, 606.6913

62.7446, 69.3074,
82.2595

136.9037,
149.5572, 174.1160

45.8925, 50.9621,
61.0424

170.7088,
185.9931, 215.5317

32.3652, 36.1785,
43.8286

209.6656,
227.9125, 263.0435

21.7975, 24.5721,
30.1996

254.1394,
275.7000, 317.0698

13.8240, 15.7585,
19.7368

304.4955,
329.7399, 378.0292

8.0792, 9.3534,
12.0217

361.0994,

4.1979, 4.9724,

390.4167, 446.3402

6.6357

424.3163,
458.1146, 522.4214

■ 1.8147, 2.2311,
3.1604

■ 0.5265, 0.7369,
1.1771

■ 83.2869, 91.5988,
107.8984

■ 83.2869, 91.5988,
107.8984

■ 74.6194, 85.1965,
107.1194

■ 93.1760, 98.6800,
108.7440

■ 67.1138, 79.4344,
106.4029

95.0500, 100.0000,
108.9000

■ 60.7158, 74.2869,
105.7465

■ 55.3641, 69.7221,
105.1474

■ 50.9912, 65.7047,
104.6025

■ 47.5215, 62.1955,
104.1080

■ 44.8679, 59.1495,
103.6599

■ 42.9256, 56.5121,
103.2533

■ 41.7297, 54.5795,
102.9432

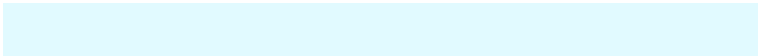
Harmonies

Analogous

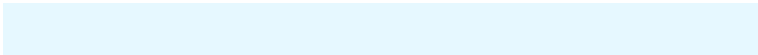
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4406, 91.5988, 101.1410



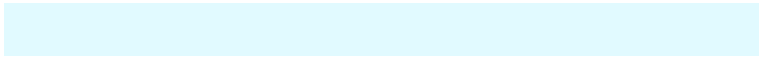
83.2869, 91.5988, 107.8984



85.1464, 91.5988, 112.6245

Triad

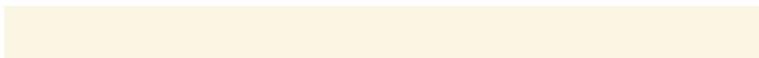
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2869, 91.5988, 107.8984



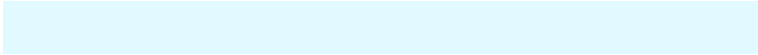
91.4531, 91.5988, 105.3649



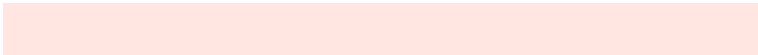
86.5743, 91.5988, 86.8569

Complementary

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



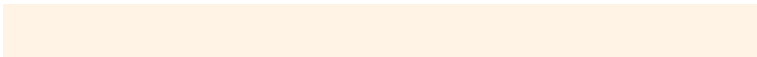
83.2869, 91.5988, 107.8984



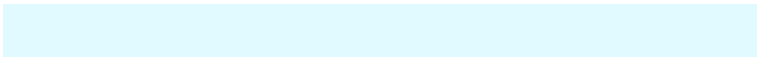
83.1267, 83.2880, 82.9305

Split Complementary

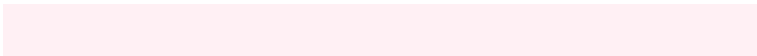
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.0060, 91.5988, 87.8695



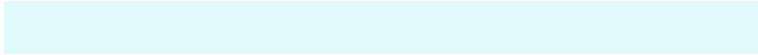
83.2869, 91.5988, 107.8984



91.8528, 91.5988, 98.3431

Square

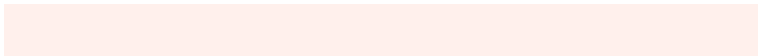
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2869, 91.5988, 107.8984



89.8674, 91.5988, 111.1142



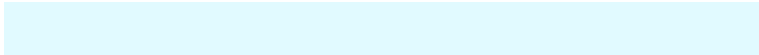
90.9493, 91.5988, 91.9951



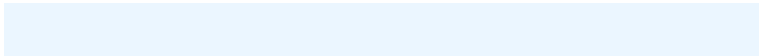
84.3155, 91.5988, 89.1614

Rectangle

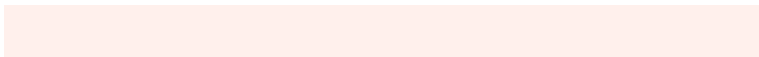
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



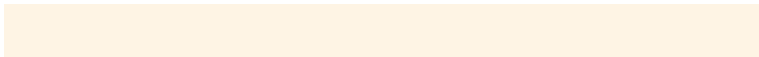
83.2869, 91.5988, 107.8984



86.7263, 91.5988, 113.8698



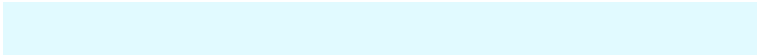
90.9493, 91.5988, 91.9951



87.3984, 91.5988, 86.8221

Sweetspot

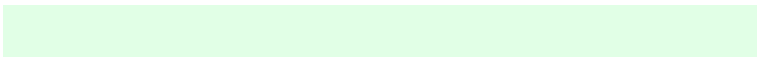
The Sweet Spot groups the original color and five complimentary colors.



83.2893, 91.6025, 107.8990



90.8571, 97.0378, 108.5492



81.0250, 93.2131, 88.2180



19.2832, 20.6535, 23.2201



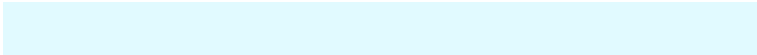
0.0000, 0.0000, 0.0000



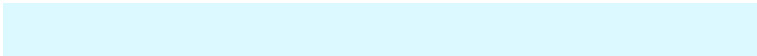
20.3446, 21.4041, 23.3091

Same Dimension

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



83.2893, 91.6025, 107.8990



81.2468, 90.1127, 107.7191



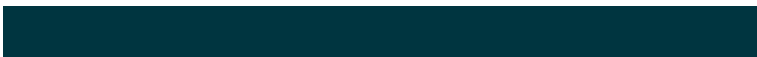
78.9540, 82.9320, 106.4539



18.2823, 19.9362, 23.1344



21.9000, 28.7095, 53.8218



2.1976, 2.9260, 5.2622

Inverse Universe

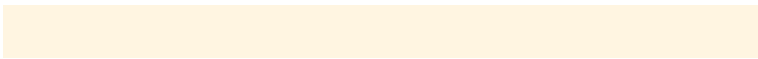
The Inverse Universe completely reimagines the original color for something new.



85.4219, 82.0140, 101.7751



83.7575, 78.9228, 100.4876



87.3324, 91.6994, 84.3324



18.6551, 18.2454, 22.0671



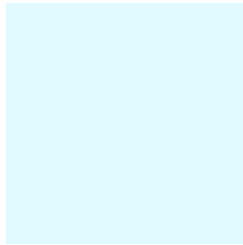
27.8423, 13.6262, 34.1495



2.7439, 1.3399, 3.4986

Previews

White Background



This preview shows how the XYZ color 83.2869, 91.5988, 107.8984 looks on a white background.

Color Contrast Check

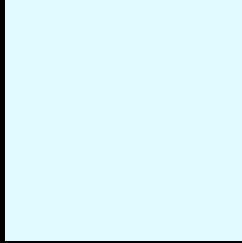
Large Text (above 18pt) WCAG AA × Fail

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 83.2869, 91.5988, 107.8984 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 83.2869, 91.5988, 107.8984

Background



This preview shows how black text looks on a background with the XYZ color 83.2869, 91.5988, 107.8984.



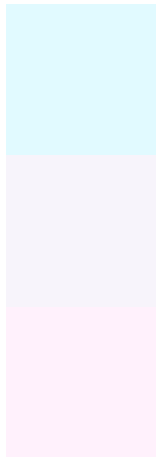
This preview shows how white text looks on a background with the XYZ color 83.2869, 91.5988,

107.8984.

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

83.2869, 91.5988, 107.8984

Protanopia

88.1210, 91.4406, 104.2721

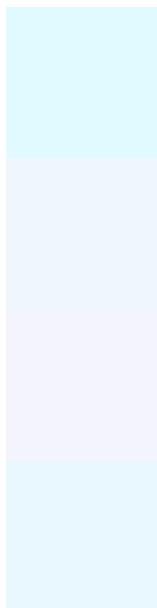
Deuteranopia

90.2660, 91.1989, 104.9411

Tritanopia

86.2657, 91.3087, 107.6854

Trichromacy



Original Color

83.2869, 91.5988, 107.8984

Protanomaly

86.1231, 91.2905, 105.1771

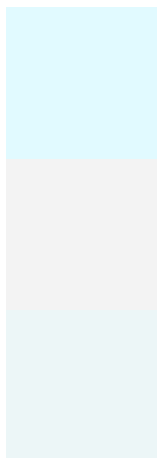
Deuteranomaly

87.3885, 91.0263, 105.8925

Tritanomaly

84.9150, 91.0652, 107.7096

Monochromacy



Original Color

83.2869, 91.5988, 107.8984

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.3363, 90.4598, 101.0112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.2869, 91.5988, 107.8984 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, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 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(225, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 250, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.2869, 91.5988, 107.8984 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, 250, 255) }
```


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

```
.border{ border-color:rgb(225, 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(225, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 250,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.2869, 91.5988, 107.8984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 250, 255) }
```

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

```
.background{ background-color: rgb(225,  
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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