

Converting Colors

XYZ(83.8182, 90.1442,
109.2488)

Have a look what the booklet for
XYZ(83.8182, 90.1442, 109.2488)
contains.

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Color

**XYZ(83.3189, 89.7895,
107.5475)**

Conversions

Conversions Part 1

Format	Color
Hex	E5F6FF
RGB	229, 246, 255
RGB Percent	90%, 96%, 100%
CMY	0.1020, 0.0353, 0.0000
CMYK	0.10, 0.04, 0.00, 0.00
HSL	201°, 100%, 95%
HSV	201°, 10%, 100%
XYZ	83.3189, 89.7895, 107.5475
YIQ	241.9430, -13.0210, -0.8050

Conversions

Conversions Part 2

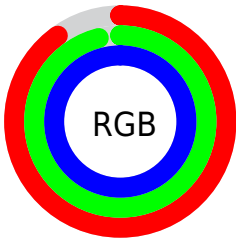
Format	Color
R _Y B	229, 239, 255
Decimal	15070975
CIE Lab	95.91, -3.84, -6.23
CIE LCh	96, 7.321, 238.341
Yxy	89.7895, 0.2969, 0.3199
Android (android.graphics.Color)	4293261055 (0xFFE5F6FF)
YUV	241.9430, 6.4371, -11.3510
Hunter-Lab	94.7573, -8.8725, -0.9627

Details

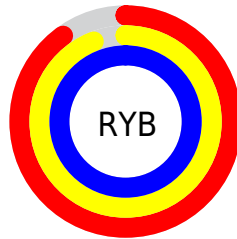
The XYZ color **83.3189, 89.7895, 107.5475** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.9569, 88.0647, 86.5983**, and the grayscale version is **84.3131, 88.7040, 96.5986**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8401, 49.7884, 60.6202** is the 20% darker color. If you saturate the color by 10%, you get **73.1528, 80.6614, 106.3214**, and if you desaturate by 10%, it is **94.8123, 99.7959, 108.8731**.

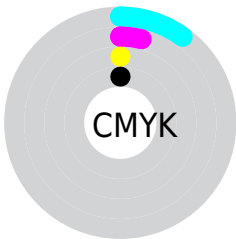
Distribution



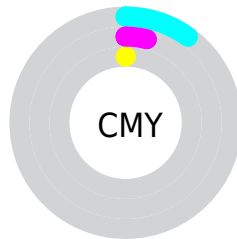
- Red (90%)
- Green (96%)
- Blue (100%)



- 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 83.3189, 89.7895, 107.5475 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 83.3189, 89.7895, 107.5475 by changing the saturation by 10% instead.

83.3189, 89.7895,
107.5475

83.3189, 89.7895,
107.5475

494.6166,
527.3459, 605.5812

62.7711, 67.8061,
81.9666

136.9482,
147.0460, 173.6332

45.9140, 49.7400,
60.8024

170.7604,
183.0878, 214.9750

32.3823, 35.2068,
43.6362

209.7248,
224.5845, 262.4077

21.8106, 23.8222,
30.0495

254.2067,
271.9206, 316.3496

13.8336, 15.2018,
19.6238

304.5715,
325.4804, 377.2194

8.0860, 8.9611,
11.9405

361.1845,

4.2023, 4.7158,

385.6482, 445.4356

6.5811

424.4110,
452.8086, 521.4166

■ 1.8172, 2.0815,
3.1271

■ 0.5280, 0.6542,
1.1599

■ 83.3189, 89.7895,
107.5475

■ 83.3189, 89.7895,
107.5475

■ 73.1528, 80.6614,
106.3214

94.8123, 99.7959,
108.8731

■ 64.2532, 72.3705,
105.1901

95.0500, 100.0000,
108.9000

■ 56.5651, 64.8880,
104.1511

■ 50.0263, 58.1793,
103.2008

■ 44.5686, 52.2064,
102.3356

■ 40.1161, 46.9275,
101.5513

■ 36.5822, 42.2948,
100.8434

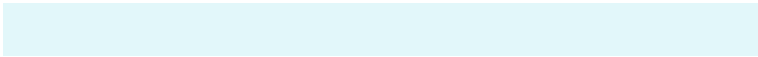
■ 33.8638, 38.2523,
100.2064

■ 31.8274, 34.7749,
99.6425

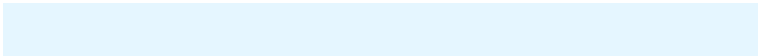
Harmonies

Analogous

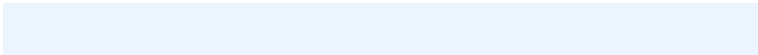
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.9676, 89.7895, 103.1444



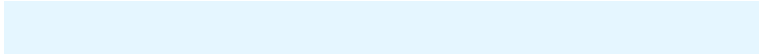
83.3189, 89.7895, 107.5475



85.2298, 89.7895, 109.3169

Triad

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



83.3189, 89.7895, 107.5475



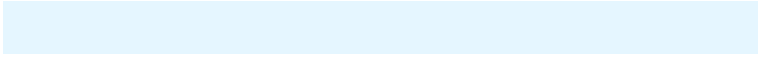
89.2857, 89.7895, 98.0880



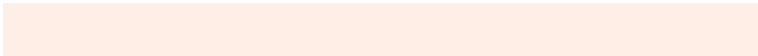
83.5108, 89.7895, 88.2941

Complementary

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



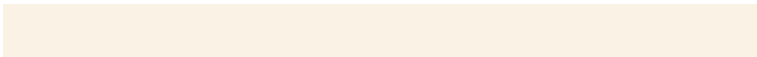
83.3189, 89.7895, 107.5475



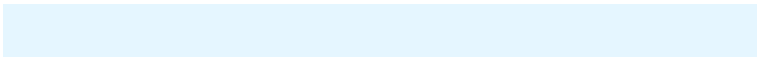
85.9569, 88.0647, 86.5983

Split Complementary

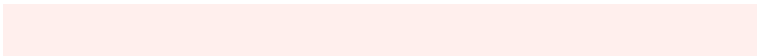
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.4548, 89.7895, 87.0579



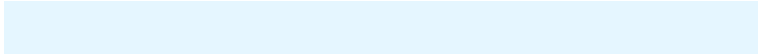
83.3189, 89.7895, 107.5475



88.8082, 89.7895, 92.5770

Square

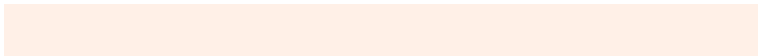
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



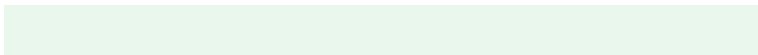
83.3189, 89.7895, 107.5475



88.6928, 89.7895, 103.7237



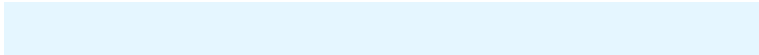
87.3980, 89.7895, 88.5954



82.0772, 89.7895, 92.0400

Rectangle

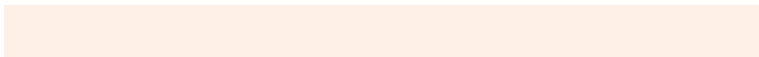
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.3189, 89.7895, 107.5475



86.5709, 89.7895, 108.7140



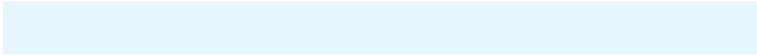
87.3980, 89.7895, 88.5954



84.1253, 89.7895, 87.5779

Sweetspot

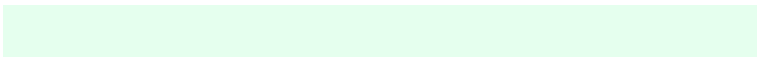
The Sweet Spot groups the original color and five complimentary colors.



83.3212, 89.7932, 107.5481



91.4528, 96.9007, 108.4914



83.4578, 94.3320, 94.4428



19.3733, 20.5664, 23.1986



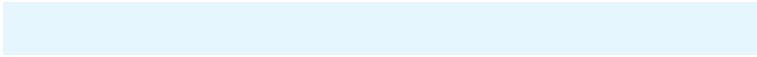
0.0000, 0.0000, 0.0000



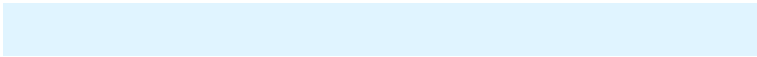
20.3446, 21.4041, 23.3091

Same Dimension

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



83.3212, 89.7932, 107.5481



81.3897, 88.0814, 107.3195



79.5978, 82.3463, 106.3069



17.9948, 19.3612, 23.0386



16.7754, 18.4603, 52.1136



1.7355, 2.0016, 5.1082

Inverse Universe

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



85.8953, 83.9541, 98.8706



84.3952, 81.3433, 97.1698



89.7765, 95.7038, 87.8714



18.5100, 18.1873, 21.3029



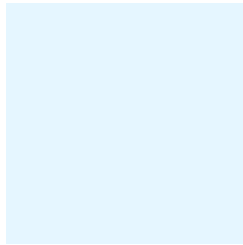
25.2556, 12.5915, 20.5284



2.5106, 1.2466, 2.2701

Previews

White Background



This preview shows how the XYZ color 83.3189, 89.7895, 107.5475 looks on a white background.

Color Contrast Check

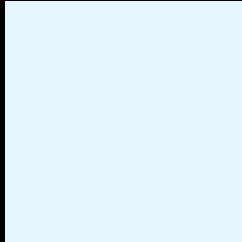
Large Text (above 18pt) WCAG AA × Fail

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 83.3189, 89.7895, 107.5475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

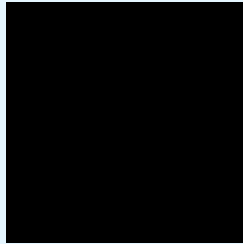
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

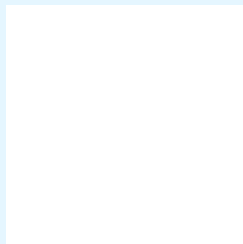
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.3189, 89.7895, 107.5475

Background



This preview shows how black text looks on a background with the XYZ color 83.3189, 89.7895, 107.5475.

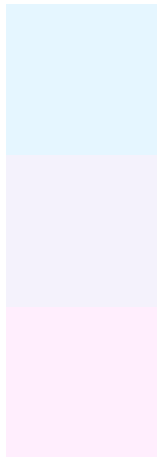


This preview shows how white text looks on a background with the XYZ color 83.3189, 89.7895,

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

83.3189, 89.7895, 107.5475

Protanopia

86.6310, 89.7656, 104.8560

Deuteranopia

89.5442, 89.5009, 105.4844



Tritanopia

84.9928, 89.7542, 107.4524

Trichromacy



Original Color

83.3189, 89.7895, 107.5475

Protanomaly

85.3768, 89.5438, 105.7123

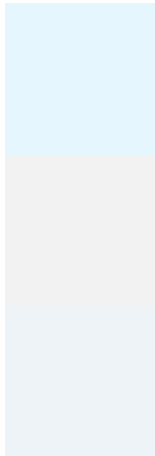
Deuteranomaly

87.3507, 89.6592, 106.4680

Tritanomaly

84.3067, 89.8485, 107.5068

Monochromacy



Original Color

83.3189, 89.7895, 107.5475

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.7641, 88.8211, 100.7250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.3189, 89.7895, 107.5475 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, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 246, 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, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 246, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.3189, 89.7895, 107.5475 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, 246, 255) }
```


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

```
.border{ border-color:rgb(229, 246, 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, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 246,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3189, 89.7895, 107.5475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 246, 255) }
```

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

```
.background{ background-color: rgb(229,  
246, 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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