

Converting Colors

XYZ(83.7856, 89.2627,
107.4212)

Have a look what the booklet for
XYZ(83.7856, 89.2627, 107.4212)
contains.

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Color

**XYZ(83.6794, 89.0772,
107.3910)**

Conversions

Conversions Part 1

Format	Color
Hex	E8F4FF
RGB	232, 244, 255
RGB Percent	91%, 96%, 100%
CMY	0.0902, 0.0431, 0.0000
CMYK	0.09, 0.04, 0.00, 0.00
HSL	209°, 100%, 95%
HSV	209°, 9%, 100%
XYZ	83.6794, 89.0772, 107.3910
YIQ	241.6660, -10.6830, 0.8770

Conversions

Conversions Part 2

Format	Color
R _Y B	232, 240, 255
Decimal	15267071
CIE Lab	95.61, -1.87, -6.65
CIE LCh	96, 6.906, 254.250
Yxy	89.0772, 0.2987, 0.3180
Android (android.graphics.Color)	4293457151 (0xFFE8F4FF)
YUV	241.6660, 6.5737, -8.4771
Hunter-Lab	94.3807, -6.9054, -1.3966

Details

The XYZ color **83.6794, 89.0772, 107.3910** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.8553, 91.1854, 89.3155**, and the grayscale version is **84.0919, 88.4713, 96.3452**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0808, 49.2738, 60.5082** is the 20% darker color. If you saturate the color by 10%, you get **72.4478, 78.0229, 105.8493**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

Distribution



- Red (91%)
- Green (96%)
- Blue (100%)



- Red (91%)
- Yellow (94%)
- Blue (100%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.6794, 89.0772, 107.3910 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 83.6794, 89.0772, 107.3910 by changing the saturation by 10% instead.

83.6794, 89.0772,
107.3910

83.6794, 89.0772,
107.3910

495.7977,
525.0244, 605.0857

63.0696, 67.2155,
81.8361

137.4502,
146.0559, 173.4178

46.1564, 49.2598,
60.6954

171.3419,
181.9418, 214.7267

32.5744, 34.8256,
43.5504

210.3916,
223.2711, 262.1240

21.9583, 23.5286,
29.9826

254.9647,
270.4284, 316.0283

13.9427, 14.9843,
19.5735

305.4265,
323.7980, 376.8581

8.1622, 8.8084,
11.9044

362.1424,

4.2516, 4.6164,

383.7642, 445.0319

6.5569

425.4777,
450.7116, 520.9682

■ 1.8454, 2.0240,
3.1123

■ 0.5448, 0.6214,
1.1523

■ 83.6794, 89.0772,
107.3910

■ 83.6794, 89.0772,
107.3910

■ 72.4478, 78.0229,
105.8493

95.0500, 100.0000,
108.9000

■ 62.6012, 68.0334,
104.4401

■ 54.0822, 59.0744,
103.1598

■ 46.8259, 51.1052,
102.0041

■ 40.7617, 44.0818,
100.9680

■ 35.8114, 37.9560,
100.0465

■ 31.8864, 32.6739,
99.2338

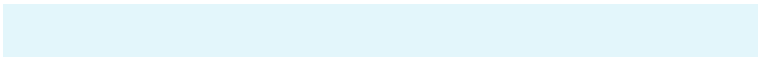
■ 28.8821, 28.1732,
98.5235

■ 26.6466, 24.3666,
97.9065

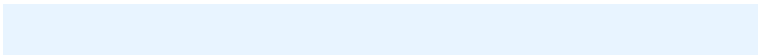
Harmonies

Analogous

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



82.0803, 89.0772, 104.4603



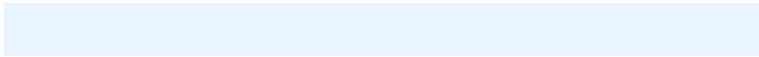
83.6794, 89.0772, 107.3910



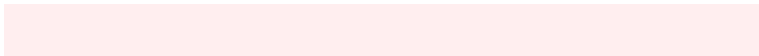
85.5659, 89.0772, 107.4667

Triad

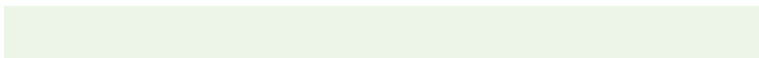
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6794, 89.0772, 107.3910



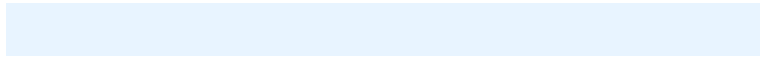
88.2484, 89.0772, 94.4422



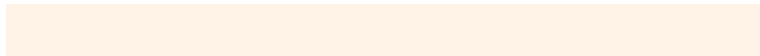
82.1464, 89.0772, 89.7010

Complementary

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



83.6794, 89.0772, 107.3910



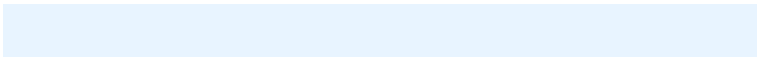
87.8553, 91.1854, 89.3155

Split Complementary

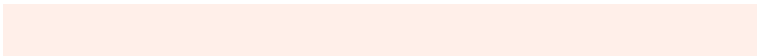
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7709, 89.0772, 87.2172



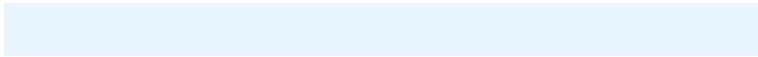
83.6794, 89.0772, 107.3910



87.3038, 89.0772, 89.8845

Square

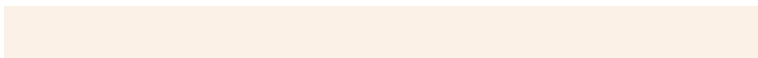
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



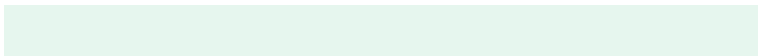
83.6794, 89.0772, 107.3910



88.2231, 89.0772, 99.8519



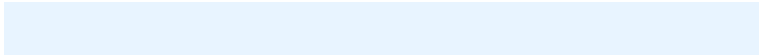
85.6587, 89.0772, 87.2831



81.2043, 89.0772, 94.1831

Rectangle

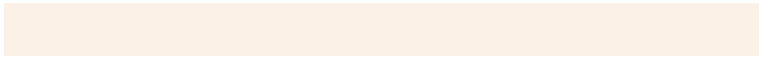
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.6794, 89.0772, 107.3910



86.7339, 89.0772, 105.8797



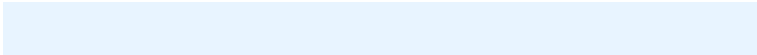
85.6587, 89.0772, 87.2831



82.6297, 89.0772, 88.6122

Sweetspot

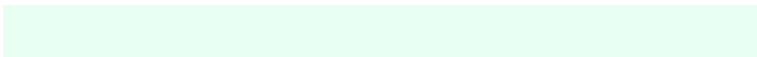
The Sweet Spot groups the original color and five complimentary colors.



83.6817, 89.0808, 107.3916



91.1357, 96.2666, 108.3857



85.1769, 95.1312, 98.4567



19.2877, 20.3951, 23.1700



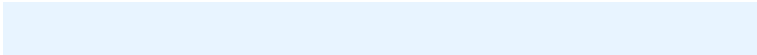
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



83.6817, 89.0808, 107.3916



81.3431, 86.8034, 107.0752



80.4028, 82.5231, 106.2986



17.7875, 18.9466, 22.9695



13.9715, 12.8525, 51.1790



1.4698, 1.4703, 5.0196

Inverse Universe

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



86.4272, 85.5064, 97.5415



84.6609, 82.5570, 95.1551



91.3217, 98.1182, 90.4710



18.4054, 18.1455, 20.7519



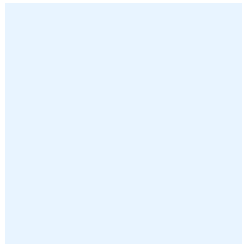
23.8404, 12.0254, 13.0757



2.3765, 1.1930, 1.5640

Previews

White Background



This preview shows how the XYZ color 83.6794, 89.0772, 107.3910 looks on a white background.

Color Contrast Check

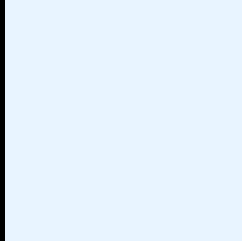
Large Text (above 18pt) WCAG AA × Fail

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 83.6794, 89.0772, 107.3910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

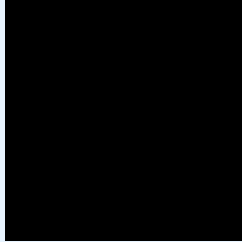
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

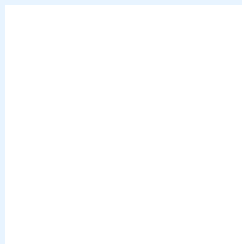
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.6794, 89.0772, 107.3910

Background



This preview shows how black text looks on a background with the XYZ color 83.6794, 89.0772, 107.3910.



This preview shows how white text looks on a background with the XYZ color 83.6794, 89.0772,

107.3910.

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

83.6794, 89.0772, 107.3910

Protanopia

86.1471, 89.0571, 105.5778

Deuteranopia

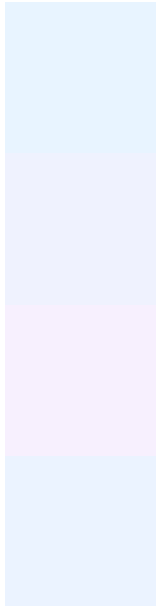
89.2538, 88.9202, 105.3876



Tritanopia

85.0256, 89.3257, 107.3680

Trichromacy



Original Color

83.6794, 89.0772, 107.3910

Protanomaly

85.2381, 89.0107, 106.4542

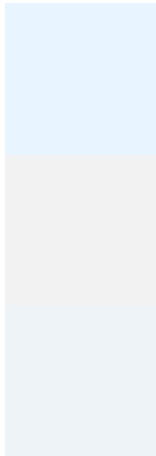
Deuteranomaly

87.4073, 89.2501, 106.3861

Tritanomaly

84.3615, 88.9834, 107.3369

Monochromacy



Original Color

83.6794, 89.0772, 107.3910

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.0990, 88.9937, 100.7407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6794, 89.0772, 107.3910 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(232, 244, 255) looks like.

```
.text, #text, p{  
    color:rgb(232, 244, 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(232, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.6794, 89.0772, 107.3910 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(232, 244, 255) }
```


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

```
.border{ border-color:rgb(232, 244, 255) }
```

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

Here you see how a box with a 4 pixel rgb(232, 244, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6794, 89.0772, 107.3910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 244, 255) }
```

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

```
.background{ background-color: rgb(232,  
244, 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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