

Converting Colors

XYZ(83.0446, 87.7834,
107.1747)

Have a look what the booklet for
XYZ(83.0446, 87.7834, 107.1747)
contains.

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Color

**XYZ(83.0808, 87.8801,
107.1915)**

Conversions

Conversions Part 1

Format	Color
Hex	E8F2FF
RGB	232, 242, 255
RGB Percent	91%, 95%, 100%
CMY	0.0902, 0.0510, 0.0000
CMYK	0.09, 0.05, 0.00, 0.00
HSL	214°, 100%, 95%
HSV	214°, 9%, 100%
XYZ	83.0808, 87.8801, 107.1915
YIQ	240.4920, -10.1330, 1.9230

Conversions

Conversions Part 2

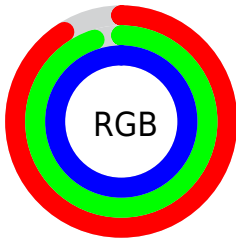
Format	Color
R _Y B	232, 239, 255
Decimal	15266559
CIE Lab	95.11, -0.86, -7.39
CIE LCh	95, 7.439, 263.399
Yxy	87.8801, 0.2987, 0.3159
Android (android.graphics.Color)	4293456639 (0xFFE8F2FF)
YUV	240.4920, 7.1524, -7.4475
Hunter-Lab	93.7444, -5.8574, -2.1738

Details

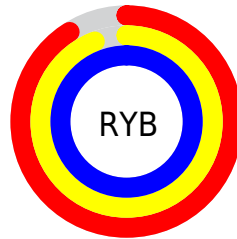
The XYZ color **83.0808, 87.8801, 107.1915** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.4570, 92.3889, 89.5159**, and the grayscale version is **83.1633, 87.4943, 95.2813**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6564, 48.4251, 60.3667** is the 20% darker color. If you saturate the color by 10%, you get **71.2760, 75.6794, 105.4587**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

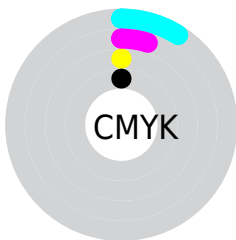
Distribution



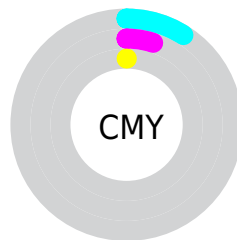
- Red (91%)
- Green (95%)
- Blue (100%)



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



- Cyan (9%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.0808, 87.8801, 107.1915 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 83.0808, 87.8801, 107.1915 by changing the saturation by 10% instead.

83.0808, 87.8801,
107.1915

83.0808, 87.8801,
107.1915

493.8356,
521.1105, 604.4539

62.5739, 66.2238,
81.6696

136.6166,
144.3902, 173.1431

45.7540, 48.4541,
60.5590

170.3762,
180.0128, 214.4100

32.2555, 34.1866,
43.4412

209.2841,
221.0596, 261.7623

21.7132, 23.0370,
29.8974

253.7057,
267.9150, 315.6185

13.7618, 14.6208,
19.5094

304.0063,
320.9634, 376.3973

8.0357, 8.5537,
11.8584

360.5512,

4.1698, 4.4513,

380.5892, 444.5170

6.5260

423.7059,
447.1768, 520.3964

■ 1.7987, 1.9291,
3.0935

■ 0.5169, 0.5658,
1.1426

■ 83.0808, 87.8801,
107.1915

■ 83.0808, 87.8801,
107.1915

■ 71.2760, 75.6794,
105.4587

95.0500, 100.0000,
108.9000

■ 60.9484, 64.7279,
103.8891

■ 52.0373, 54.9847,
102.4782

■ 44.4744, 46.4023,
101.2202

■ 38.1856, 38.9297,
100.1093

■ 33.0889, 32.5110,
99.1390

■ 29.0917, 27.0844,
98.3023

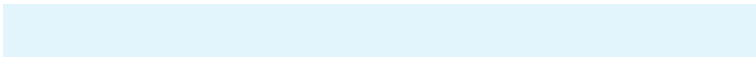
■ 26.0850, 22.5790,
97.5911

■ 23.9124, 18.8982,
96.9951

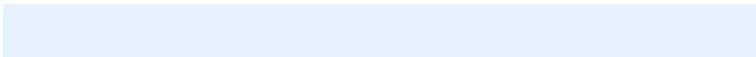
Harmonies

Analogous

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



81.2283, 87.8801, 104.9167



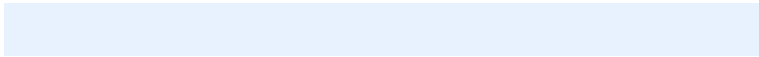
83.0808, 87.8801, 107.1915



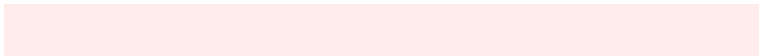
85.0826, 87.8801, 106.2850

Triad

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



83.0808, 87.8801, 107.1915



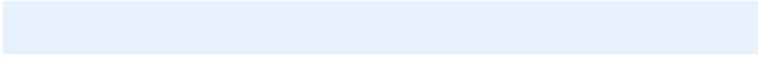
87.1505, 87.8801, 91.3278



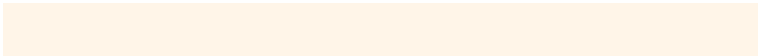
80.4417, 87.8801, 89.1933

Complementary

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



83.0808, 87.8801, 107.1915



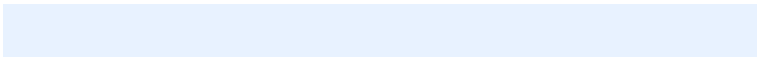
88.4570, 92.3889, 89.5159

Split Complementary

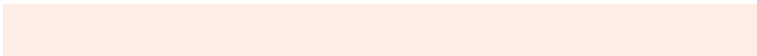
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.9913, 87.8801, 85.8170



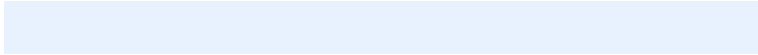
83.0808, 87.8801, 107.1915



85.8695, 87.8801, 87.0142

Square

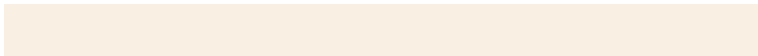
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0808, 87.8801, 107.1915



87.4535, 87.8801, 96.9735



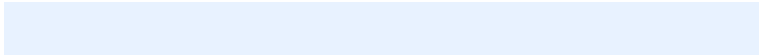
83.9756, 87.8801, 85.0356



79.7206, 87.8801, 94.4109

Rectangle

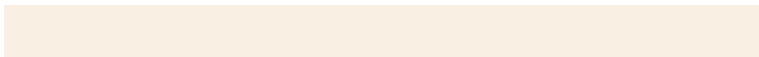
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.0808, 87.8801, 107.1915



86.2301, 87.8801, 104.0159



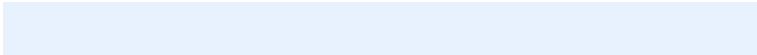
83.9756, 87.8801, 85.0356



80.8818, 87.8801, 87.8141

Sweetspot

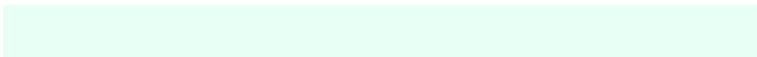
The Sweet Spot groups the original color and five complimentary colors.



83.0831, 87.8837, 107.1920



90.9279, 95.8509, 108.3164



85.4675, 95.2474, 99.9869



19.2316, 20.2830, 23.1513



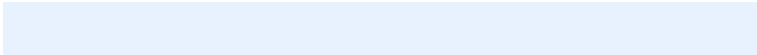
0.0000, 0.0000, 0.0000



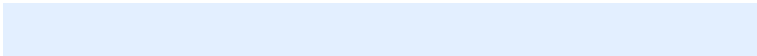
20.3446, 21.4041, 23.3091

Same Dimension

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



83.0831, 87.8837, 107.1920



80.6236, 85.3643, 106.8354



80.5610, 82.2834, 106.2440



17.6530, 18.6775, 22.9247



12.5393, 9.9882, 50.7016



1.3272, 1.1851, 4.9721

Inverse Universe

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



86.1250, 85.3854, 95.9505



84.2978, 82.4118, 93.2426



91.1440, 98.3889, 90.5324



18.3375, 18.1183, 20.3943



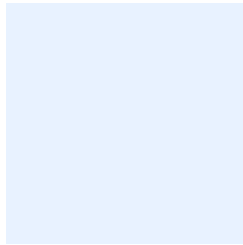
23.1175, 11.7363, 9.2690



2.3045, 1.1642, 1.1850

Previews

White Background



This preview shows how the XYZ color 83.0808, 87.8801, 107.1915 looks on a white background.

Color Contrast Check

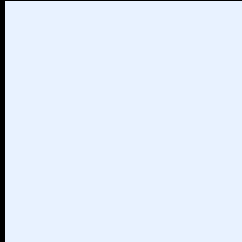
Large Text (above 18pt) WCAG AA × Fail

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 83.0808, 87.8801, 107.1915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

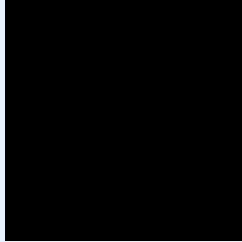
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

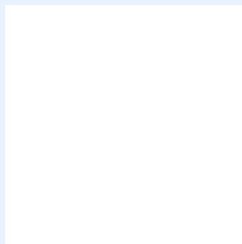
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.0808, 87.8801, 107.1915

Background



This preview shows how black text looks on a background with the XYZ color 83.0808, 87.8801, 107.1915.



This preview shows how white text looks on a background with the XYZ color 83.0808, 87.8801,

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

83.0808, 87.8801, 107.1915

Protanopia

84.8718, 87.5256, 105.3494

Deuteranopia

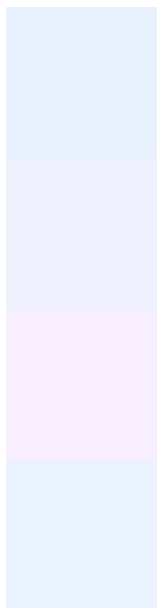
88.9983, 87.8967, 106.8828



Tritanopia

83.7662, 87.7928, 107.1385

Trichromacy



Original Color

83.0808, 87.8801, 107.1915

Protanomaly

84.3094, 87.6531, 106.2411

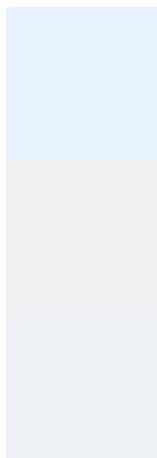
Deuteranomaly

86.9823, 88.1432, 107.0366

Tritanomaly

83.4370, 87.6230, 107.1231

Monochromacy



Original Color

83.0808, 87.8801, 107.1915

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.8618, 87.5077, 98.9096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.0808, 87.8801, 107.1915 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, 242, 255) looks like.

```
.text, #text, p{  
    color:rgb(232, 242, 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, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.0808, 87.8801, 107.1915 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, 242, 255) }
```


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

```
.border{ border-color:rgb(232, 242, 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, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.0808, 87.8801, 107.1915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 242, 255) }
```

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

```
.background{ background-color: rgb(232,  
242, 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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