

Converting Colors

XYZ(81.5702, 87.2575,
107.1509)

Have a look what the booklet for
XYZ(81.5702, 87.2575, 107.1509)
contains.

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Color

**XYZ(81.4807, 87.0552,
107.1166)**

Conversions

Conversions Part 1

Format	Color
Hex	E3F2FF
RGB	227, 242, 255
RGB Percent	89%, 95%, 100%
CMY	0.1098, 0.0510, 0.0000
CMYK	0.11, 0.05, 0.00, 0.00
HSL	208°, 100%, 95%
HSV	208°, 11%, 100%
XYZ	81.4807, 87.0552, 107.1166
YIQ	238.9970, -13.1130, 0.8630

Conversions

Conversions Part 2

Format	Color
R _Y B	227, 237, 255
Decimal	14938879
CIE Lab	94.76, -2.44, -7.94
CIE LCh	95, 8.311, 252.920
Yxy	87.0552, 0.2956, 0.3158
Android (android.graphics.Color)	4293128959 (0xFFE3F2FF)
YUV	238.9970, 7.8895, -10.5214
Hunter-Lab	93.3034, -7.3990, -2.7553

Details

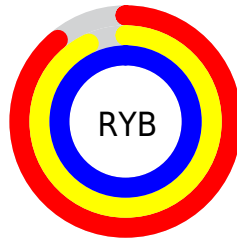
The XYZ color **81.4807, 87.0552, 107.1166** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.2646, 89.1244, 85.3307**, and the grayscale version is **81.9916, 86.2616, 93.9389**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7652, 47.9657, 60.3250** is the 20% darker color. If you saturate the color by 10%, you get **70.6168, 76.3956, 105.6317**, and if you desaturate by 10%, it is **93.7683, 98.7919, 108.7344**.

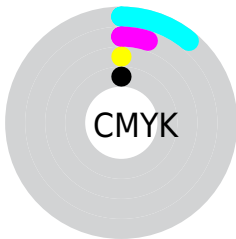
Distribution



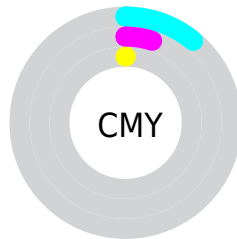
- Red (89%)
- Green (95%)
- Blue (100%)



- Red (89%)
- Yellow (93%)
- Blue (100%)



- Cyan (11%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.4807, 87.0552, 107.1166 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 81.4807, 87.0552, 107.1166 by changing the saturation by 10% instead.

81.4807, 87.0552,
107.1166

81.4807, 87.0552,
107.1166

488.5699,
518.4042, 604.2166

61.2502, 65.5409,
81.6072

134.3852,
143.2411, 173.0400

44.6804, 47.8998,
60.5079

167.7898,
178.6814, 214.2911

31.4060, 33.7475,
43.4001

206.3166,
219.5326, 261.6265

21.0615, 22.6997,
29.8655

250.3309,
266.1789, 315.4647

13.2817, 14.3719,
19.4853

300.1980,
319.0049, 376.2242

7.7012, 8.3798,
11.8411

356.2833,

3.9545, 4.3389,

378.3948, 444.3237

6.5144

418.9521,
444.7331, 520.1816

■ 1.6764, 1.8649,
3.0865

■ 0.4415, 0.5271,
1.1390

■ 81.4807, 87.0552,
107.1166

■ 81.4807, 87.0552,
107.1166

■ 70.6168, 76.3956,
105.6317

■ 93.7683, 98.7919,
108.7344

■ 61.1133, 66.7671,
104.2741

■ 95.0500, 100.0000,
108.9000

■ 52.9121, 58.1354,
103.0402

■ 45.9478, 50.4601,
101.9258

■ 40.1489, 43.6976,
100.9261

■ 35.4360, 37.7995,
100.0361

■ 31.7182, 32.7115,
99.2500

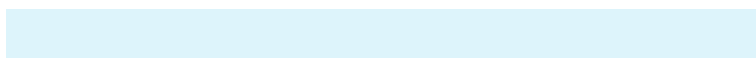
■ 28.8875, 28.3704,
98.5612

■ 26.9456, 25.0113,
98.0152

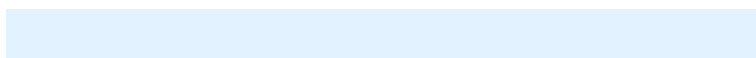
Harmonies

Analogous

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



79.6192, 87.0552, 103.4677



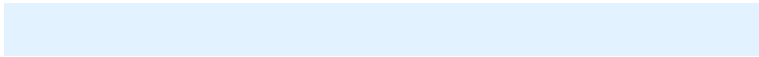
81.4807, 87.0552, 107.1166



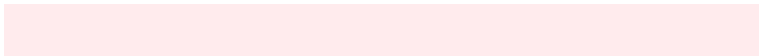
83.7133, 87.0552, 107.3691

Triad

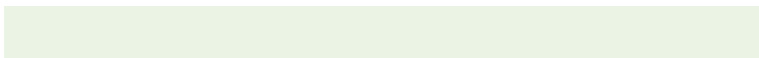
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.4807, 87.0552, 107.1166



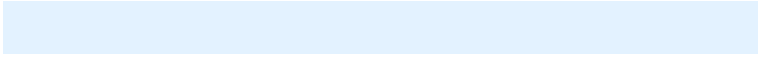
87.0269, 87.0552, 92.0482



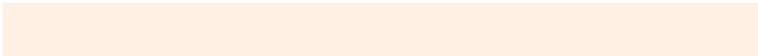
79.8356, 87.0552, 86.0116

Complementary

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



81.4807, 87.0552, 107.1166



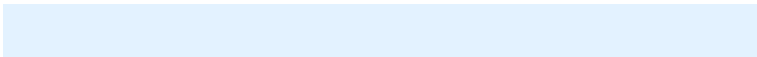
86.2646, 89.1244, 85.3307

Split Complementary

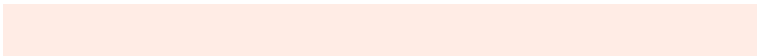
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.7810, 87.0552, 83.2308



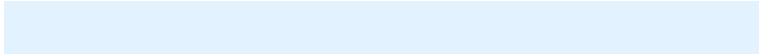
81.4807, 87.0552, 107.1166



85.9482, 87.0552, 86.6084

Square

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



81.4807, 87.0552, 107.1166



86.9429, 87.0552, 98.4697



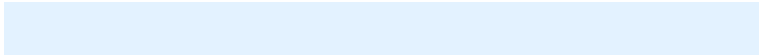
84.0190, 87.0552, 83.4442



78.6812, 87.0552, 91.1999

Rectangle

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



81.4807, 87.0552, 107.1166



85.1140, 87.0552, 105.5605



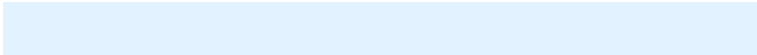
84.0190, 87.0552, 83.4442



80.4172, 87.0552, 84.7751

Sweetspot

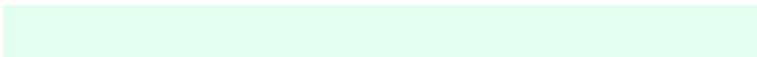
The Sweet Spot groups the original color and five complimentary colors.



81.4830, 87.0587, 107.1171



91.1691, 96.3333, 108.3968



83.1082, 94.1188, 95.9143



19.2967, 20.4131, 23.1730



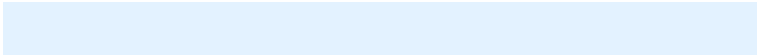
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



81.4830, 87.0587, 107.1171



79.1749, 84.8192, 106.8065



77.5834, 79.2595, 105.8173



17.8092, 18.9900, 22.9767



14.2308, 13.3711, 51.2654



1.4950, 1.5207, 5.0280

Inverse Universe

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



84.7375, 82.6105, 95.4879



82.9924, 79.6913, 93.1457



90.4205, 97.4362, 86.7160



18.4163, 18.1498, 20.8096



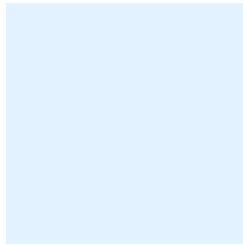
23.9712, 12.0778, 13.7648



2.3892, 1.1981, 1.6310

Previews

White Background



This preview shows how the XYZ color 81.4807, 87.0552, 107.1166 looks on a white background.

Color Contrast Check

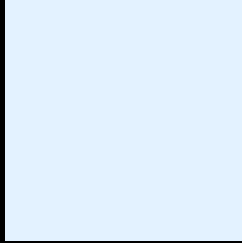
Large Text (above 18pt) WCAG AA × Fail

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 81.4807, 87.0552, 107.1166 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

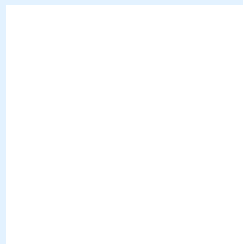
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.4807, 87.0552, 107.1166

Background



This preview shows how black text looks on a background with the XYZ color 81.4807, 87.0552, 107.1166.



This preview shows how white text looks on a background with the XYZ color 81.4807, 87.0552,

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

81.4807, 87.0552, 107.1166

Protanopia

84.2393, 86.7662, 105.2362

Deuteranopia

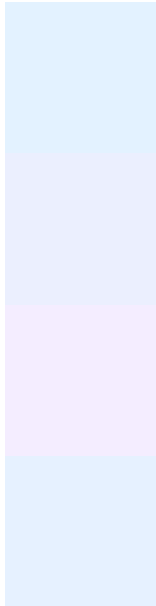
87.9808, 86.9483, 106.7533



Tritanopia

82.4603, 87.1195, 107.0774

Trichromacy



Original Color

81.4807, 87.0552, 107.1166

Protanomaly

83.0168, 86.5509, 106.0965

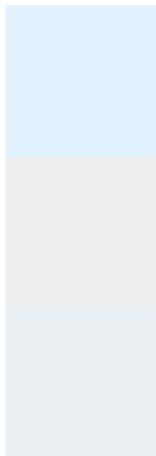
Deuteranomaly

85.6424, 87.0215, 106.8907

Tritanomaly

82.1384, 86.9536, 107.0623

Monochromacy



Original Color

81.4807, 87.0552, 107.1166

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.9025, 86.5749, 98.7801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.4807, 87.0552, 107.1166 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(227, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 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(227, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.4807, 87.0552, 107.1166 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(227, 242, 255) }
```


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

```
.border{ border-color:rgb(227, 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(227, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.4807, 87.0552, 107.1166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 242, 255) }
```

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

```
.background{ background-color: rgb(227,  
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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