

Converting Colors

XYZ(83.3998, 88.8705,
117.0665)

Have a look what the booklet for
XYZ(83.3998, 88.8705, 117.0665)
contains.

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Color

**XYZ(81.4520, 87.9289,
107.2867)**

Conversions

Conversions Part 1

Format	Color
Hex	E1F4FF
RGB	225, 244, 255
RGB Percent	88%, 96%, 100%
CMY	0.1176, 0.0431, 0.0000
CMYK	0.12, 0.04, 0.00, 0.00
HSL	202°, 100%, 94%
HSV	202°, 12%, 100%
XYZ	81.4520, 87.9289, 107.2867
YIQ	239.5730, -14.8550, -0.6070

Conversions

Conversions Part 2

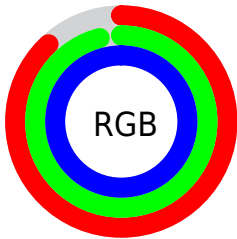
Format	Color
R _Y B	225, 237, 255
Decimal	14808319
CIE Lab	95.13, -4.09, -7.41
CIE LCh	95, 8.465, 241.120
Yxy	87.9289, 0.2944, 0.3178
Android (android.graphics.Color)	4292998399 (0xFFE1F4FF)
YUV	239.5730, 7.6055, -12.7805
Hunter-Lab	93.7704, -9.0474, -2.1969

Details

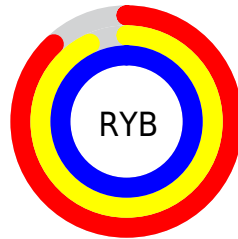
The XYZ color **81.4520, 87.9289, 107.2867** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.8255, 86.6855, 83.4969**, and the grayscale version is **82.4435, 86.7370, 94.4566**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7538, 48.5897, 60.4461** is the 20% darker color. If you saturate the color by 10%, you get **71.3475, 78.6526, 106.0288**, and if you desaturate by 10%, it is **92.8909, 98.1096, 108.6489**.

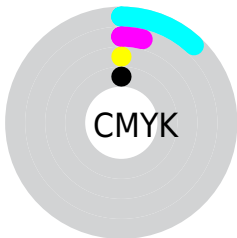
Distribution



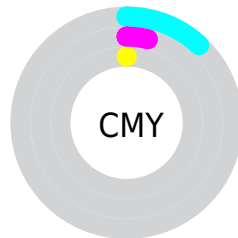
- Red (88%)
- Green (96%)
- Blue (100%)



- Red (88%)
- Yellow (93%)
- Blue (100%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.4520, 87.9289, 107.2867 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 81.4520, 87.9289, 107.2867 by changing the saturation by 10% instead.

81.4520, 87.9289,
107.2867

81.4520, 87.9289,
107.2867

488.4751,
521.2704, 604.7554

61.2265, 66.2642,
81.7491

134.3451,
144.4582, 173.2742

44.6612, 48.4869,
60.6241

167.7434,
180.0915, 214.5611

31.3908, 34.2126,
43.4933

206.2633,
221.1499, 261.9349

21.0499, 23.0570,
29.9381

250.2703,
268.0176, 315.8141

13.2732, 14.6356,
19.5399

300.1296,
321.0791, 376.6172

7.6952, 8.5640,
11.8803

356.2066,

3.9507, 4.4579,

380.7188, 444.7627

6.5407

418.8666,
447.3211, 520.6693

■ 1.6743, 1.9329,
3.1025

■ 0.4401, 0.5680,
1.1472

■ 81.4520, 87.9289,
107.2867

■ 81.4520, 87.9289,
107.2867

■ 71.3475, 78.6526,
106.0288

■ 92.8909, 98.1096,
108.6489

■ 62.5160, 70.2387,
104.8702

95.0500, 100.0000,
108.9000

■ 54.9011, 62.6575,
103.8083

■ 48.4397, 55.8731,
102.8393

■ 43.0621, 49.8463,
101.9594

■ 38.6905, 44.5336,
101.1644

■ 35.2359, 39.8855,
100.4493

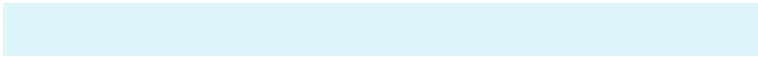
■ 32.5912, 35.8432,
99.8084

■ 30.8891, 32.8983,
99.3297

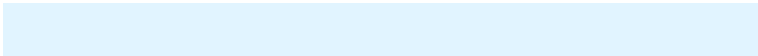
Harmonies

Analogous

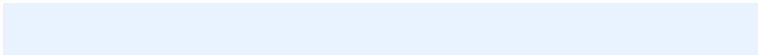
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.8377, 87.9289, 102.4491



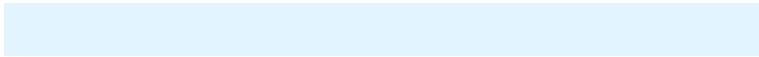
81.4520, 87.9289, 107.2867



83.6605, 87.9289, 108.9957

Triad

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



81.4520, 87.9289, 107.2867



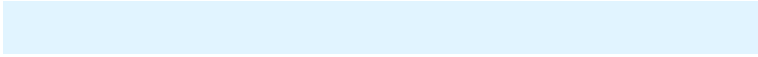
88.0826, 87.9289, 95.4917



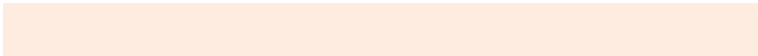
81.3046, 87.9289, 85.2818

Complementary

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



81.4520, 87.9289, 107.2867



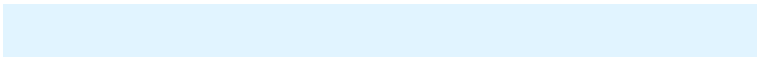
84.8255, 86.6855, 83.4969

Split Complementary

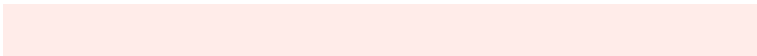
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.4872, 87.9289, 83.6044



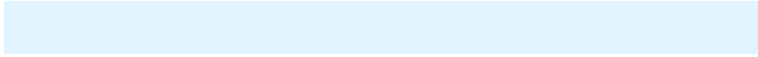
81.4520, 87.9289, 107.2867



87.4247, 87.9289, 89.3297

Square

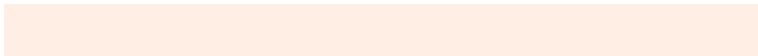
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



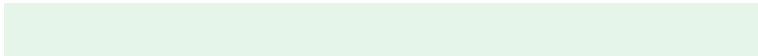
81.4520, 87.9289, 107.2867



87.5140, 87.9289, 102.0001



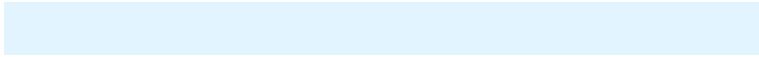
85.7321, 87.9289, 85.0523



79.7536, 87.9289, 89.7407

Rectangle

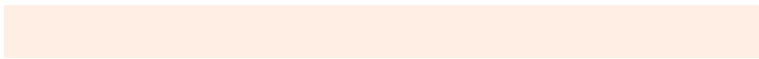
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.4520, 87.9289, 107.2867



85.1806, 87.9289, 108.0715



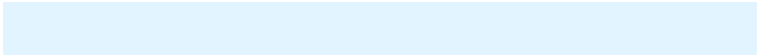
85.7321, 87.9289, 85.0523



81.9873, 87.9289, 84.3834

Sweetspot

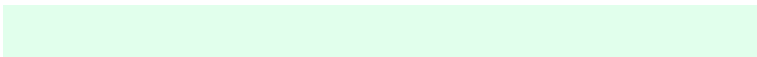
The Sweet Spot groups the original color and five complimentary colors.



81.4543, 87.9325, 107.2873



90.2154, 95.7544, 108.3353



81.8800, 93.5551, 92.7200



19.1205, 20.3280, 23.1659



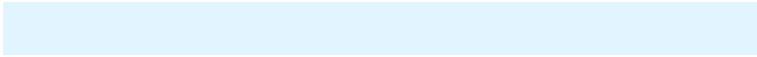
0.0000, 0.0000, 0.0000



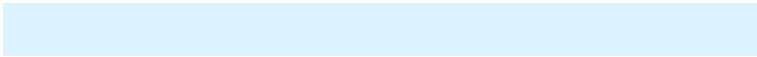
20.3446, 21.4041, 23.3091

Same Dimension

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



81.4543, 87.9325, 107.2873



79.0807, 85.7805, 106.9970



77.2604, 79.5447, 105.8893



17.9623, 19.2963, 23.0278



16.2876, 17.4847, 51.9510



1.6901, 1.9110, 5.0930

Inverse Universe

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



84.4958, 81.6436, 96.8976



82.6642, 78.4854, 94.7301



89.1722, 95.3789, 84.9458



18.4936, 18.1808, 21.2167



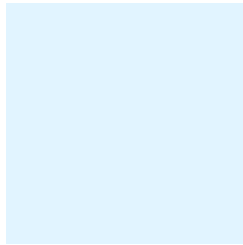
25.0094, 12.4931, 19.2319



2.4877, 1.2375, 2.1497

Previews

White Background



This preview shows how the XYZ color 81.4520, 87.9289, 107.2867 looks on a white background.

Color Contrast Check

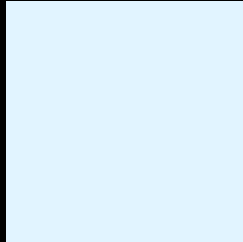
Large Text (above 18pt) WCAG AA × Fail

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 81.4520, 87.9289, 107.2867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

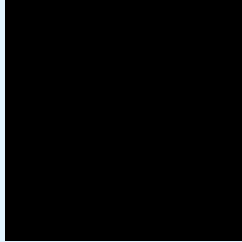
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

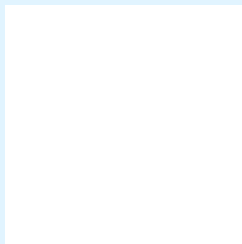
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.4520, 87.9289, 107.2867

Background



This preview shows how black text looks on a background with the XYZ color 81.4520, 87.9289, 107.2867.



This preview shows how white text looks on a background with the XYZ color 81.4520, 87.9289,

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

81.4520, 87.9289, 107.2867

Protanopia

85.0551, 87.6385, 104.5285

Deuteranopia

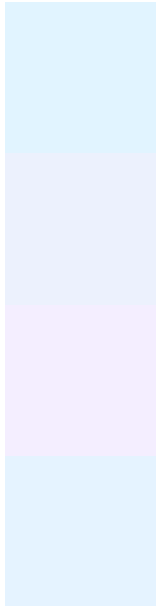
88.9983, 87.8967, 106.8828



Tritanopia

82.7571, 87.7132, 107.1763

Trichromacy



Original Color

81.4520, 87.9289, 107.2867

Protanomaly

83.7770, 87.8353, 105.4669

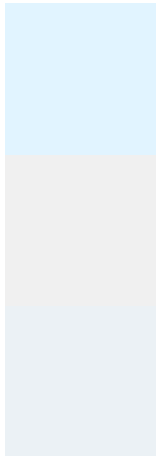
Deuteranomaly

85.9328, 87.6022, 106.9875

Tritanomaly

82.4137, 87.9792, 107.2458

Monochromacy



Original Color

81.4520, 87.9289, 107.2867

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.1977, 87.1653, 98.8785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.4520, 87.9289, 107.2867 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, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 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(225, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.4520, 87.9289, 107.2867 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, 244, 255) }
```


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

```
.border{ border-color:rgb(225, 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(225, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.4520, 87.9289, 107.2867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 244, 255) }
```

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

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