

Converting Colors

XYZ(81.8487, 88.1231,
107.3033)

Have a look what the booklet for
XYZ(81.8487, 88.1231, 107.3033)
contains.

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Color

**XYZ(81.7647, 88.0901,
107.3014)**

Conversions

Conversions Part 1

Format	Color
Hex	E2F4FF
RGB	226, 244, 255
RGB Percent	89%, 96%, 100%
CMY	0.1137, 0.0431, 0.0000
CMYK	0.11, 0.04, 0.00, 0.00
HSL	203°, 100%, 94%
HSV	203°, 11%, 100%
XYZ	81.7647, 88.0901, 107.3014
YIQ	239.8720, -14.2590, -0.3950

Conversions

Conversions Part 2

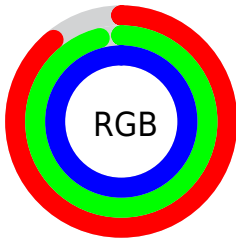
Format	Color
R _Y B	226, 237, 255
Decimal	14873855
CIE Lab	95.20, -3.77, -7.30
CIE LCh	95, 8.222, 242.676
Yxy	88.0901, 0.2950, 0.3178
Android (android.graphics.Color)	4293063935 (0xFFE2F4FF)
YUV	239.8720, 7.4581, -12.1657
Hunter-Lab	93.8563, -8.7449, -2.0840

Details

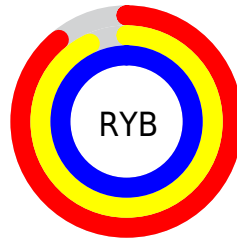
The XYZ color **81.7647, 88.0901, 107.3014** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.2510, 87.3177, 84.3139**, and the grayscale version is **82.6778, 86.9835, 94.7250**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9708, 48.7016, 60.4562** is the 20% darker color. If you saturate the color by 10%, you get **71.5226, 78.6063, 106.0106**, and if you desaturate by 10%, it is **93.3532, 98.4994, 108.6998**.

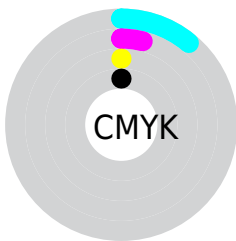
Distribution



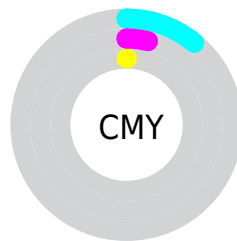
- Red (89%)
- Green (96%)
- Blue (100%)



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



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.7647, 88.0901, 107.3014 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 81.7647, 88.0901, 107.3014 by changing the saturation by 10% instead.

81.7647, 88.0901,
107.3014

81.7647, 88.0901,
107.3014

489.5067,
521.7982, 604.8020

61.4850, 66.3977,
81.7613

134.7815,
144.6826, 173.2944

44.8708, 48.5953,
60.6342

168.2494,
180.3515, 214.5845

31.5565, 34.2986,
43.5013

206.8441,
221.4479, 261.9616

21.1769, 23.1231,
29.9444

250.9309,
268.3564, 315.8443

13.3665, 14.6844,
19.5447

300.8752,
321.4613, 376.6511

7.7602, 8.5982,
11.8837

357.0424,

3.9924, 4.4800,

381.1470, 444.8007

6.5430

419.7978,
447.7978, 520.7115

■ 1.6978, 1.9456,
3.1039

■ 0.4549, 0.5755,
1.1479

■ 81.7647, 88.0901,
107.3014

■ 81.7647, 88.0901,
107.3014

■ 71.5226, 78.6063,
106.0106

■ 93.3532, 98.4994,
108.6998

■ 62.5653, 70.0055,
104.8226

■ 95.0500, 100.0000,
108.9000

■ 54.8367, 62.2578,
103.7345

■ 48.2732, 55.3267,
102.7426

■ 42.8054, 49.1727,
101.8429

■ 38.3556, 43.7521,
101.0312

■ 34.8349, 39.0151,
100.3024

■ 32.1370, 34.9028,
99.6508

■ 30.3307, 31.7815,
99.1436

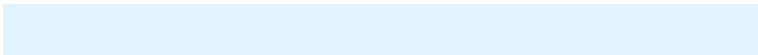
Harmonies

Analogous

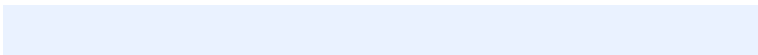
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1522, 88.0901, 102.7329



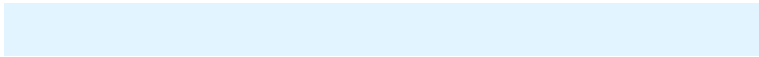
81.7647, 88.0901, 107.3014



83.9283, 88.0901, 108.7774

Triad

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



81.7647, 88.0901, 107.3014



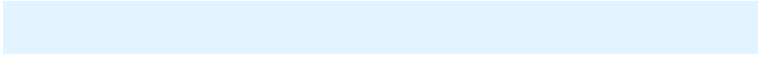
88.1053, 88.0901, 95.3402



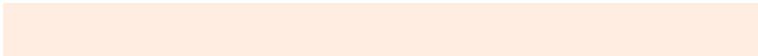
81.4222, 88.0901, 85.8985

Complementary

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



81.7647, 88.0901, 107.3014



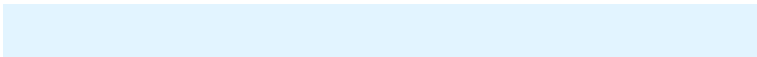
85.2510, 87.3177, 84.3139

Split Complementary

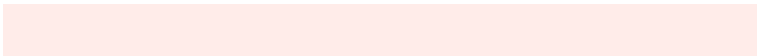
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5260, 88.0901, 84.1090



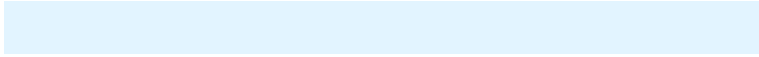
81.7647, 88.0901, 107.3014



87.4065, 88.0901, 89.4059

Square

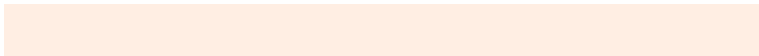
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



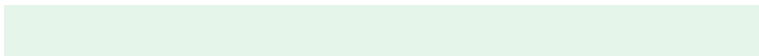
81.7647, 88.0901, 107.3014



87.6137, 88.0901, 101.6917



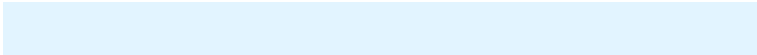
85.7204, 88.0901, 85.3643



79.9570, 88.0901, 90.3616

Rectangle

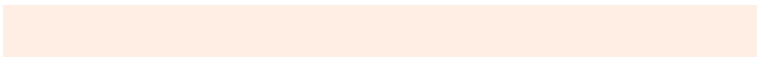
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7647, 88.0901, 107.3014



85.3991, 88.0901, 107.7578



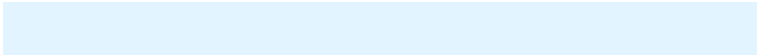
85.7204, 88.0901, 85.3643



82.0768, 88.0901, 84.9736

Sweetspot

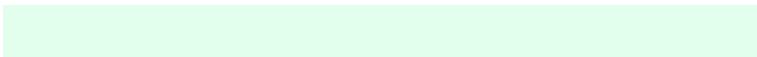
The Sweet Spot groups the original color and five complimentary colors.



81.7670, 88.0937, 107.3019



91.3730, 96.7411, 108.4648



82.3574, 93.7822, 93.6023



19.3518, 20.5232, 23.1914



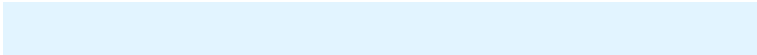
0.0000, 0.0000, 0.0000



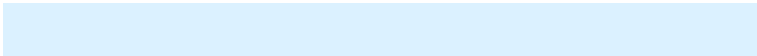
20.3446, 21.4041, 23.3091

Same Dimension

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



81.7670, 88.0937, 107.3019



78.9466, 85.5124, 106.9524



77.6750, 79.9096, 105.9379



17.9424, 19.2564, 23.0211



15.9970, 16.9036, 51.8542



1.6630, 1.8567, 5.0840

Inverse Universe

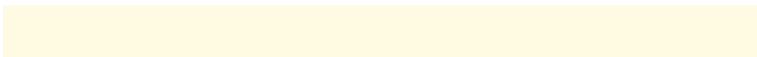
The Inverse Universe completely reimagines the original color for something new.



84.7669, 82.1859, 96.9880



82.5965, 78.4584, 94.3737



89.5067, 95.8290, 85.7324



18.4836, 18.1767, 21.1637



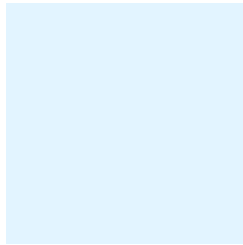
24.8628, 12.4344, 18.4596



2.4740, 1.2320, 2.0775

Previews

White Background



This preview shows how the XYZ color 81.7647, 88.0901, 107.3014 looks on a white background.

Color Contrast Check

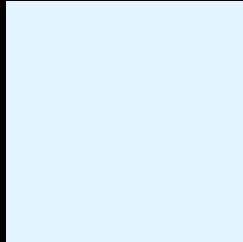
Large Text (above 18pt) WCAG AA × Fail

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 81.7647, 88.0901, 107.3014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

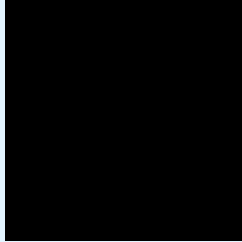
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

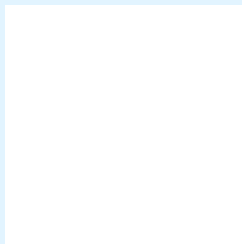
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.7647, 88.0901, 107.3014

Background



This preview shows how black text looks on a background with the XYZ color 81.7647, 88.0901, 107.3014.



This preview shows how white text looks on a background with the XYZ color 81.7647, 88.0901,

107.3014.

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

81.7647, 88.0901, 107.3014

Protanopia

85.3487, 88.2257, 104.6264

Deuteranopia

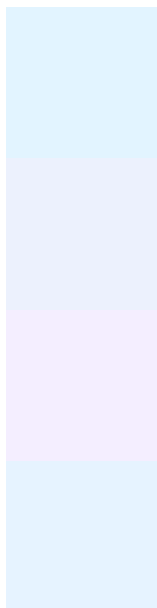
88.9983, 87.8967, 106.8828



Tritanopia

83.0808, 87.8801, 107.1915

Trichromacy



Original Color

81.7647, 88.0901, 107.3014

Protanomaly

83.7770, 87.8353, 105.4669

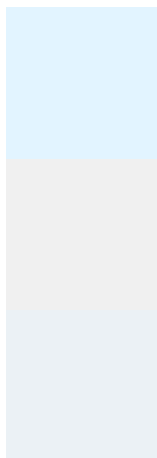
Deuteranomaly

85.9328, 87.6022, 106.9875

Tritanomaly

82.7337, 88.1442, 107.2607

Monochromacy



Original Color

81.7647, 88.0901, 107.3014

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 81.7647, 88.0901, 107.3014 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(226, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.7647, 88.0901, 107.3014 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(226, 244, 255) }
```


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

```
.border{ border-color:rgb(226, 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(226, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7647, 88.0901, 107.3014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 244, 255) }
```

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

```
.background{ background-color: rgb(226,  
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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