

Converting Colors

XYZ(81.6737, 86.8087,
107.0588)

Have a look what the booklet for
XYZ(81.6737, 86.8087, 107.0588)
contains.

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Color

**XYZ(81.5002, 86.6246,
107.0324)**

Conversions

Conversions Part 1

Format	Color
Hex	E4F1FF
RGB	228, 241, 255
RGB Percent	89%, 95%, 100%
CMY	0.1059, 0.0549, 0.0000
CMYK	0.11, 0.05, 0.00, 0.00
HSL	211°, 100%, 95%
HSV	211°, 11%, 100%
XYZ	81.5002, 86.6246, 107.0324
YIQ	238.7090, -12.2420, 1.5980

Conversions

Conversions Part 2

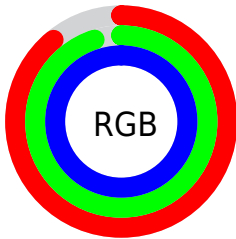
Format	Color
R _Y B	228, 237, 255
Decimal	15004159
CIE Lab	94.58, -1.61, -8.21
CIE LCh	95, 8.365, 258.871
Yxy	86.6246, 0.2962, 0.3148
Android (android.graphics.Color)	4293194239 (0xFFE4F1FF)
YUV	238.7090, 8.0315, -9.3918
Hunter-Lab	93.0723, -6.5704, -3.0324

Details

The XYZ color **81.5002, 86.6246, 107.0324** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.9950, 90.3639, 86.2572**, and the grayscale version is **81.7662, 86.0244, 93.6806**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5553, 47.5458, 60.2550** is the 20% darker color. If you saturate the color by 10%, you get **70.2281, 75.2165, 105.4246**, and if you desaturate by 10%, it is **94.2539, 99.2226, 108.7919**.

Distribution



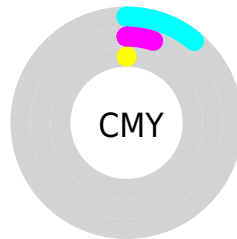
- Red (89%)
- Green (95%)
- Blue (100%)



- 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 81.5002, 86.6246, 107.0324 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 81.5002, 86.6246, 107.0324 by changing the saturation by 10% instead.

81.5002, 86.6246,
107.0324

81.5002, 86.6246,
107.0324

488.6342,
516.9885, 603.9497

61.2663, 65.1846,
81.5369

134.4124,
142.6408, 172.9241

44.6935, 47.6108,
60.4503

167.8214,
177.9857, 214.1574

31.4163, 33.5188,
43.3540

206.3529,
218.7345, 261.4737

21.0695, 22.5241,
29.8295

250.3721,
265.2714, 315.2916

13.2875, 14.2425,
19.4583

300.2445,
317.9808, 376.0296

7.7052, 8.2895,
11.8217

356.3355,

3.9571, 4.2808,

377.2472, 444.1063

6.5013

419.0102,
443.4550, 519.9401

■ 1.6779, 1.8318,
3.0786

■ 0.4424, 0.5069,
1.1349

■ 81.5002, 86.6246,
107.0324

■ 81.5002, 86.6246,
107.0324

■ 70.2281, 75.2165,
105.4246

94.2539, 99.2226,
108.7919

■ 60.3728, 64.9491,
103.9622

95.0500, 100.0000,
108.9000

■ 51.8745, 55.7846,
102.6412

■ 44.6661, 47.6790,
101.4566

■ 38.6746, 40.5848,
100.4030

■ 33.8188, 34.4498,
99.4748

■ 30.0061, 29.2157,
98.6655

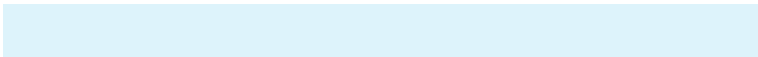
■ 27.1271, 24.8149,
97.9677

■ 25.1105, 21.3409,
97.4035

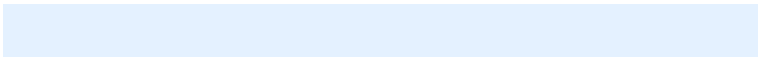
Harmonies

Analogous

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



79.5156, 86.6246, 103.9828



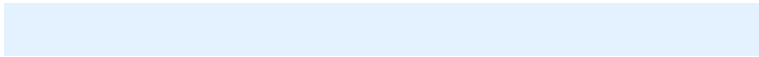
81.5002, 86.6246, 107.0324



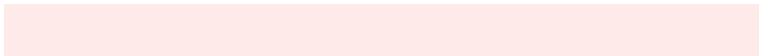
83.7441, 86.6246, 106.5611

Triad

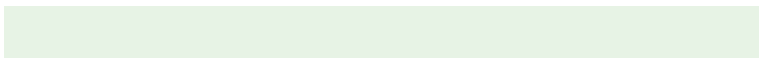
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.5002, 86.6246, 107.0324



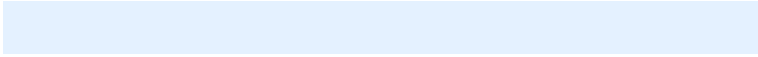
86.5044, 86.6246, 90.3609



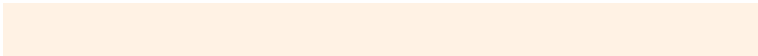
79.1120, 86.6246, 86.3871

Complementary

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



81.5002, 86.6246, 107.0324



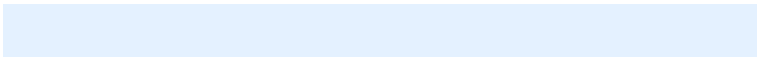
86.9950, 90.3639, 86.2572

Split Complementary

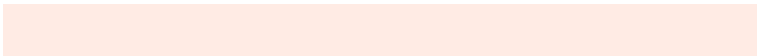
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.9400, 86.6246, 83.0532



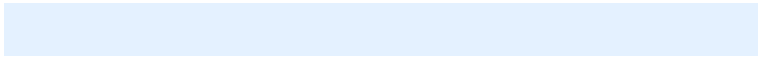
81.5002, 86.6246, 107.0324



85.2184, 86.6246, 85.2741

Square

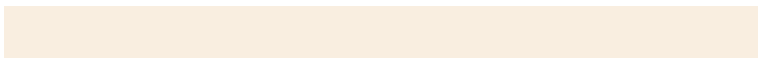
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.5002, 86.6246, 107.0324



86.6610, 86.6246, 96.7361



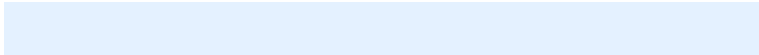
83.1736, 86.6246, 82.6553



78.1536, 86.6246, 91.9434

Rectangle

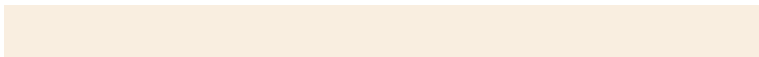
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



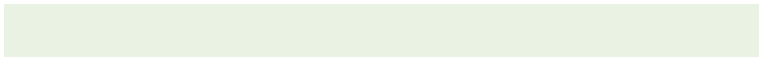
81.5002, 86.6246, 107.0324



85.0845, 86.6246, 104.3189



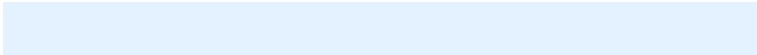
83.1736, 86.6246, 82.6553



79.6436, 86.6246, 84.9804

Sweetspot

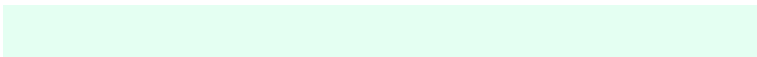
The Sweet Spot groups the original color and five complimentary colors.



81.5025, 86.6281, 107.0330



91.0393, 96.0738, 108.3536



83.7752, 94.4222, 97.7757



19.2617, 20.3431, 23.1614



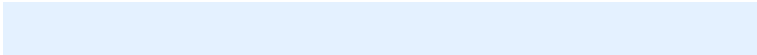
0.0000, 0.0000, 0.0000



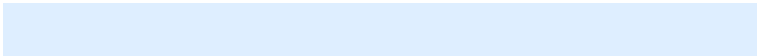
20.3446, 21.4041, 23.3091

Same Dimension

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



81.5025, 86.6281, 107.0330



78.6494, 83.7681, 106.6313



77.9325, 79.2760, 105.8021



17.7250, 18.8215, 22.9487



13.2685, 11.4466, 50.9447



1.4006, 1.3319, 4.9965

Inverse Universe

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



84.8620, 83.0992, 94.7904



82.7271, 79.5852, 91.7489



90.8385, 98.2963, 87.5857



18.3738, 18.1328, 20.5857



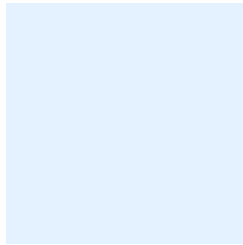
23.4855, 11.8835, 11.2073



2.3416, 1.1790, 1.3802

Previews

White Background



This preview shows how the XYZ color 81.5002, 86.6246, 107.0324 looks on a white background.

Color Contrast Check

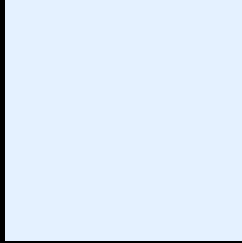
Large Text (above 18pt) WCAG AA × Fail

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 81.5002, 86.6246, 107.0324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

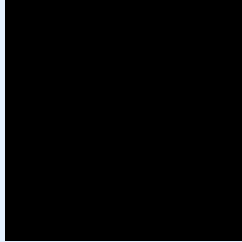
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

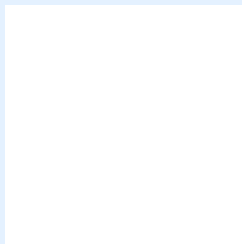
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.5002, 86.6246, 107.0324

Background



This preview shows how black text looks on a background with the XYZ color 81.5002, 86.6246, 107.0324.



This preview shows how white text looks on a background with the XYZ color 81.5002, 86.6246,

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

81.5002, 86.6246, 107.0324

Protanopia

83.9008, 86.5916, 105.2203

Deuteranopia

87.6969, 86.3805, 106.6587



Tritanopia

82.1651, 86.5291, 106.9790

Trichromacy



Original Color

81.5002, 86.6246, 107.0324

Protanomaly

83.0168, 86.5509, 106.0965

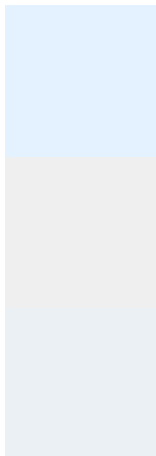
Deuteranomaly

85.3537, 86.4440, 106.7945

Tritanomaly

81.8432, 86.3632, 106.9639

Monochromacy



Original Color

81.5002, 86.6246, 107.0324

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 81.5002, 86.6246, 107.0324 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(228, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 241, 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(228, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.5002, 86.6246, 107.0324 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(228, 241, 255) }
```


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

```
.border{ border-color:rgb(228, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.5002, 86.6246, 107.0324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 241, 255) }
```

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

```
.background{ background-color: rgb(228,  
241, 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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