

Converting Colors

XYZ(83.0605, 87.6183,
102.4947)

Have a look what the booklet for
XYZ(83.0605, 87.6183, 102.4947)
contains.

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Color

**XYZ(82.8151, 87.4123,
102.1300)**

Conversions

Conversions Part 1

Format	Color
Hex	EBF1F9
RGB	235, 241, 249
RGB Percent	92%, 95%, 98%
CMY	0.0784, 0.0549, 0.0235
CMYK	0.06, 0.03, 0.00, 0.02
HSL	214°, 54%, 95%
HSV	214°, 6%, 98%
XYZ	82.8151, 87.4123, 102.1300
YIQ	240.1180, -6.1440, 1.2160

Conversions

Conversions Part 2

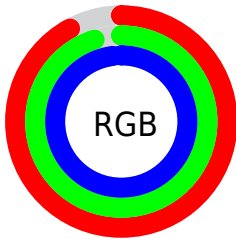
Format	Color
R _Y B	235, 239, 249
Decimal	15462905
CIE Lab	94.91, -0.51, -4.55
CIE LCh	95, 4.576, 263.552
Yxy	87.4123, 0.3041, 0.3209
Android (android.graphics.Color)	4293652985 (0xFFEBF1F9)
YUV	240.1180, 4.3788, -4.4885
Hunter-Lab	93.4945, -5.5047, 0.6800

Details

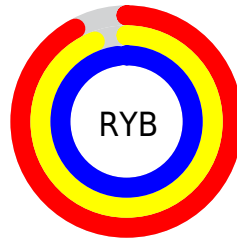
The XYZ color **82.8151, 87.4123, 102.1300** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.1131, 90.2382, 91.4777**, and the grayscale version is **82.8892, 87.2059, 94.9672**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.5650, 48.1319, 57.3409** is the 20% darker color. If you saturate the color by 10%, you get **71.1164, 75.3761, 100.4247**, and if you desaturate by 10%, it is **94.0991, 99.6197, 103.8929**.

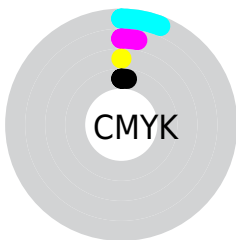
Distribution



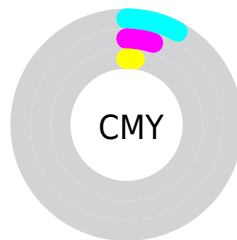
- Red (92%)
- Green (95%)
- Blue (98%)



- Red (92%)
- Yellow (94%)
- Blue (98%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (8%)
- Magenta (5%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.8151, 87.4123, 102.1300 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 82.8151, 87.4123, 102.1300 by changing the saturation by 10% instead.

82.8151, 87.4123,
102.1300

82.8151, 87.4123,
102.1300

492.9633,
519.5767, 588.3052

62.3540, 65.8365,
77.4538

136.2463,
143.7387, 166.1586

45.5755, 48.1397,
57.1116

169.9472,
179.2580, 206.3480

32.1142, 33.9375,
40.6849

208.7920,
220.1939, 252.5456

21.6047, 22.8456,
27.7551

253.1462,
266.9309, 305.1700

13.6817, 14.4795,
17.9037

303.3751,
319.8533, 364.6395

7.9798, 8.4549,
10.7122

359.8440,

4.1337, 4.3874,

379.3454, 431.3729

5.7619

422.9183,
445.7918, 505.7886

■ 1.7781, 1.8925,
2.6344

■ 0.5044, 0.5439,
0.9101

■ 82.8151, 87.4123,
102.1300

■ 82.8151, 87.4123,
102.1300

■ 71.1164, 75.3761,
100.4247

■ 94.0991, 99.6197,
103.8929

■ 60.8395, 64.5474,
98.8762

■ 51.9285, 54.8881,
97.4814

■ 44.3205, 46.3539,
96.2352

■ 37.9473, 38.8974,
95.1318

■ 32.7341, 32.4670,
94.1654

■ 28.5970, 27.0057,
93.3293

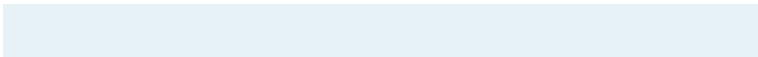
■ 25.4389, 22.4495,
92.6163

■ 23.1419, 18.7223,
92.0180

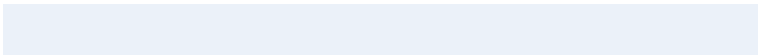
Harmonies

Analogous

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



81.6733, 87.4123, 100.7803



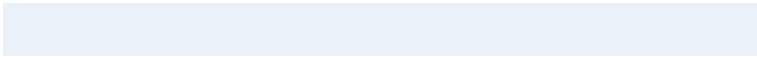
82.8151, 87.4123, 102.1300



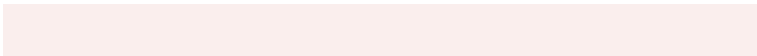
84.0398, 87.4123, 101.5797

Triad

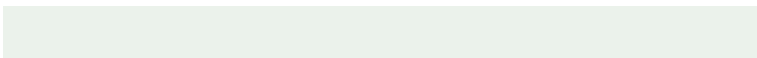
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8151, 87.4123, 102.1300



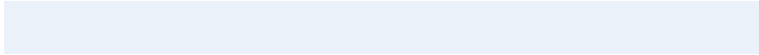
85.2893, 87.4123, 92.4727



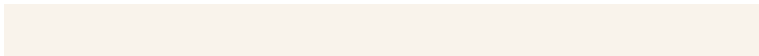
81.1782, 87.4123, 91.1749

Complementary

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



82.8151, 87.4123, 102.1300



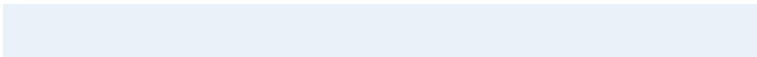
86.1131, 90.2382, 91.4777

Split Complementary

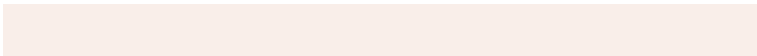
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.1330, 87.4123, 89.0494



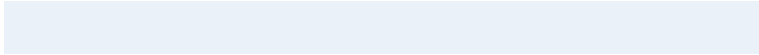
82.8151, 87.4123, 102.1300



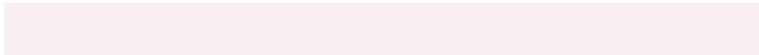
84.5084, 87.4123, 89.7856

Square

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



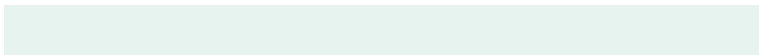
82.8151, 87.4123, 102.1300



85.4763, 87.4123, 95.9466



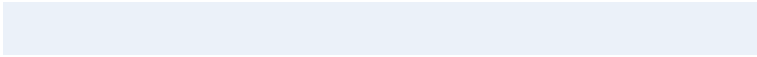
83.3510, 87.4123, 88.5472



80.7343, 87.4123, 94.4118

Rectangle

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



82.8151, 87.4123, 102.1300



84.7376, 87.4123, 100.2160



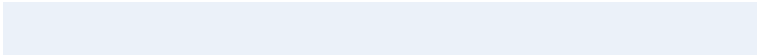
83.3510, 87.4123, 88.5472



81.4496, 87.4123, 90.3101

Sweetspot

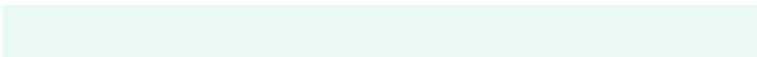
The Sweet Spot groups the original color and five complimentary colors.



82.8176, 87.4160, 102.1319



92.2763, 97.2011, 108.5059



84.3056, 91.8820, 98.0342



19.7800, 20.8344, 23.2289



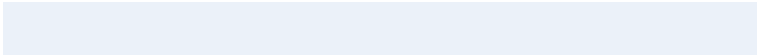
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



82.8176, 87.4160, 102.1319



85.6186, 90.4372, 107.5513



81.3785, 84.0791, 101.5637



17.3882, 18.3721, 22.0150



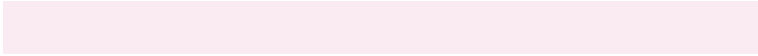
12.0895, 9.5345, 49.1767



1.2226, 1.0888, 4.5889

Inverse Universe

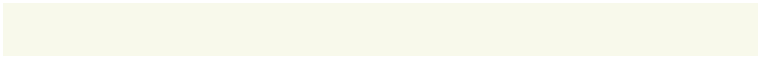
The Inverse Universe completely reimagines the original color for something new.



84.6544, 85.9089, 95.3438



88.0193, 88.4959, 98.6724



87.6075, 93.7196, 92.0709



17.9199, 17.9449, 20.0479



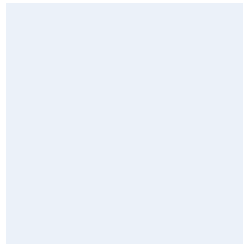
22.3942, 11.3734, 8.7844



2.1260, 1.0741, 1.0870

Previews

White Background



This preview shows how the XYZ color 82.8151, 87.4123, 102.1300 looks on a white background.

Color Contrast Check

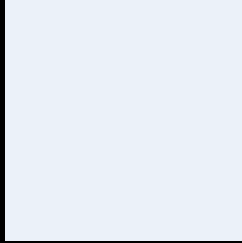
Large Text (above 18pt) WCAG AA × Fail

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 82.8151, 87.4123, 102.1300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

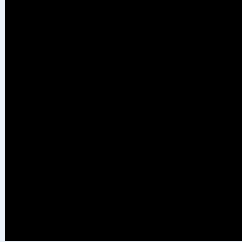
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

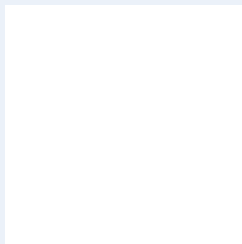
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.8151, 87.4123, 102.1300

Background



This preview shows how black text looks on a background with the XYZ color 82.8151, 87.4123, 102.1300.



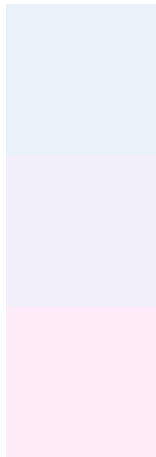
This preview shows how white text looks on a background with the XYZ color 82.8151, 87.4123,

102.1300.

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

82.8151, 87.4123, 102.1300

Protanopia

84.4277, 87.3876, 101.2246

Deuteranopia

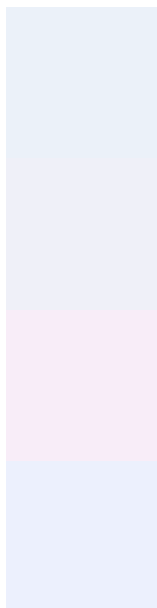
87.8916, 87.4540, 101.0549



Tritanopia

84.1351, 87.5447, 107.0712

Trichromacy



Original Color

82.8151, 87.4123, 102.1300

Protanomaly

83.7000, 87.4482, 101.2747

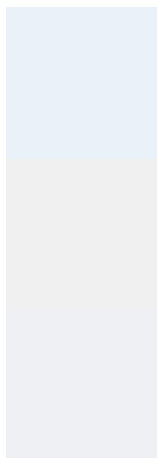
Deuteranomaly

85.9389, 87.3021, 101.1285

Tritanomaly

83.4818, 87.2449, 105.3685

Monochromacy



Original Color

82.8151, 87.4123, 102.1300

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.5976, 86.9684, 97.2272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.8151, 87.4123, 102.1300 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(235, 241, 249)` looks like.

```
.text, #text, p{  
    color:rgb(235, 241, 249)  
}
```

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(235, 241, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 241, 249) }
```

Border

The CSS property to change the border of an element to XYZ 82.8151, 87.4123, 102.1300 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(235, 241, 249) }
```


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

```
.border{ border-color:rgb(235, 241, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 241, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 241, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 241, 249);  
box-shadow:4px 4px 4px 4px rgb(235, 241,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 82.8151, 87.4123, 102.1300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 241, 249) }
```

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

```
.background{ background-color: rgb(235,  
241, 249) }
```

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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