

Converting Colors

XYZ(86.3764, 91.7306,
106.2549)

Have a look what the booklet for
XYZ(86.3764, 91.7306, 106.2549)
contains.

XYZ(86.5870, 91.9641, 106.1157)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(86.5870, 91.9641,
106.1157)**

Conversions

Conversions Part 1

Format	Color
Hex	EFF7FD
RGB	239, 247, 253
RGB Percent	94%, 97%, 99%
CMY	0.0627, 0.0314, 0.0078
CMYK	0.06, 0.02, 0.00, 0.01
HSL	206°, 78%, 96%
HSV	206°, 6%, 99%
XYZ	86.5870, 91.9641, 106.1157
YIQ	245.2920, -6.6940, 0.1700

Conversions

Conversions Part 2

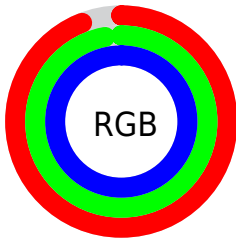
Format	Color
R _Y B	239, 244, 253
Decimal	15726589
CIE Lab	96.81, -1.53, -3.80
CIE LCh	97, 4.095, 248.072
Yxy	91.9641, 0.3042, 0.3231
Android (android.graphics.Color)	4293916669 (0xFFEFF7FD)
YUV	245.2920, 3.8000, -5.5181
Hunter-Lab	95.8979, -6.6523, 1.5213

Details

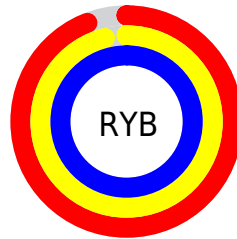
The XYZ color **86.5870, 91.9641, 106.1157** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.7407, 92.4187, 94.8243**, and the grayscale version is **87.0026, 91.5335, 99.6799**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.1230, 51.3144, 59.5929** is the 20% darker color. If you saturate the color by 10%, you get **75.4188, 81.4319, 104.6728**, and if you desaturate by 10%, it is **94.7299, 99.8720, 107.2143**.

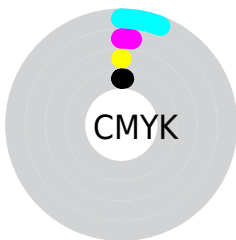
Distribution



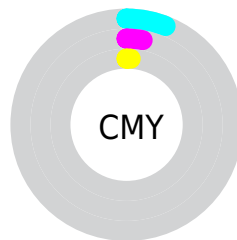
- Red (94%)
- Green (97%)
- Blue (99%)



- Red (94%)
- Yellow (96%)
- Blue (99%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (1%)



- Cyan (6%)
- Magenta (3%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 86.5870, 91.9641, 106.1157 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 86.5870, 91.9641, 106.1157 by changing the saturation by 10% instead.

86.5870, 91.9641,
106.1157

86.5870, 91.9641,
106.1157

505.2697,
534.3995, 601.0406

65.4804, 69.6108,
80.7725

141.4910,
150.0636, 171.6614

48.1169, 51.2093,
59.8244

176.0190,
186.5787, 212.7010

34.1311, 36.3752,
42.8527

215.7516,
228.5831, 259.8097

23.1577, 24.7241,
29.4390

261.0540,
276.4612, 313.4062

14.8313, 15.8716,
19.1647

312.2917,
330.5976, 373.9091

8.7866, 9.4334,
11.6114

369.8300,

4.6583, 5.0249,

391.3765, 441.7367

6.3603

434.0342,
459.1823, 517.3077

■ 2.0809, 2.2619,
2.9931

■ 0.6788, 0.7534,
1.0911

■ 86.5870, 91.9641,
106.1157

■ 86.5870, 91.9641,
106.1157

■ 75.4188, 81.4319,
104.6728

94.7299, 99.8720,
107.2143

■ 65.5835, 71.8655,
103.3447

■ 57.0277, 63.2347,
102.1297

■ 49.6908, 55.5034,
101.0241

■ 43.5074, 48.6327,
100.0238

■ 38.4050, 42.5797,
99.1244

■ 34.3023, 37.2969,
98.3210

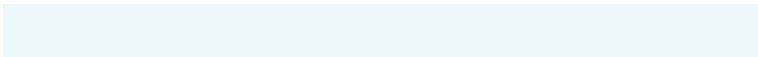
■ 31.1046, 32.7300,
97.6080

■ 28.6958, 28.8129,
96.9789

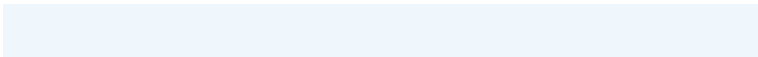
Harmonies

Analogous

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



85.6821, 91.9641, 104.0842



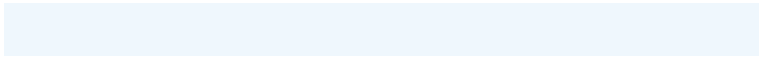
86.5870, 91.9641, 106.1157



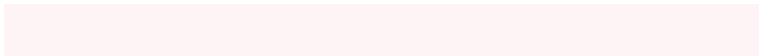
87.7196, 91.9641, 106.5267

Triad

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



86.5870, 91.9641, 106.1157



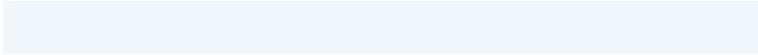
89.6139, 91.9641, 99.2478



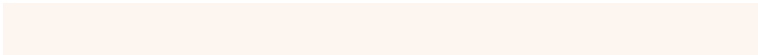
86.0544, 91.9641, 95.2363

Complementary

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



86.5870, 91.9641, 106.1157



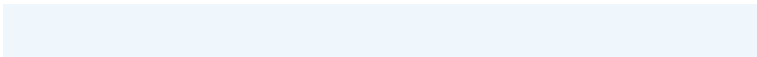
88.7407, 92.4187, 94.8243

Split Complementary

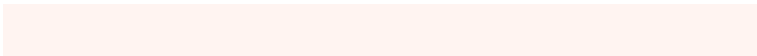
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.0994, 91.9641, 94.0009



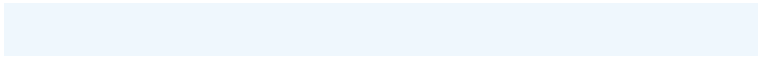
86.5870, 91.9641, 106.1157



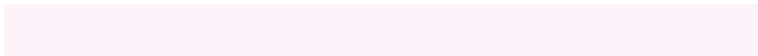
89.1592, 91.9641, 96.2836

Square

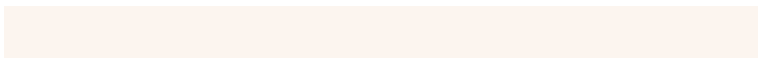
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



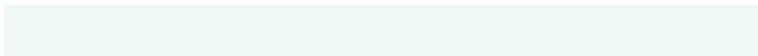
86.5870, 91.9641, 106.1157



89.4738, 91.9641, 102.5138



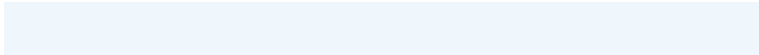
88.2364, 91.9641, 94.3800



85.3765, 91.9641, 97.7899

Rectangle

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



86.5870, 91.9641, 106.1157



88.4525, 91.9641, 105.8182



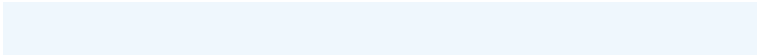
88.2364, 91.9641, 94.3800



86.3740, 91.9641, 94.6557

Sweetspot

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



86.5896, 91.9680, 106.1177



92.5056, 97.6598, 108.5824



87.1793, 95.1852, 100.0321



19.8267, 20.9278, 23.2444



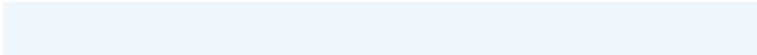
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



86.5896, 91.9680, 106.1177



86.3946, 91.9892, 107.8099



84.5369, 87.8625, 105.4335



18.3392, 19.5466, 23.0562



14.9363, 14.7822, 51.5006



1.5628, 1.6563, 5.0506

Inverse Universe

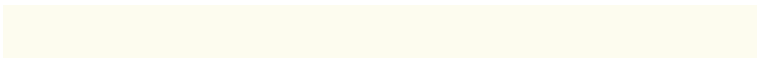
The Inverse Universe completely reimagines the original color for something new.



88.1651, 89.3329, 100.5964



88.4110, 88.6526, 100.7350



90.8475, 96.6323, 95.5266



18.8067, 18.7765, 21.4150



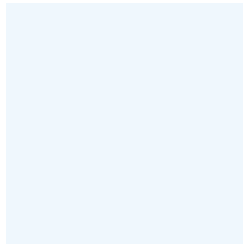
24.3274, 12.2202, 15.6403



2.4234, 1.2117, 1.8112

Previews

White Background



This preview shows how the XYZ color 86.5870, 91.9641, 106.1157 looks on a white background.

Color Contrast Check

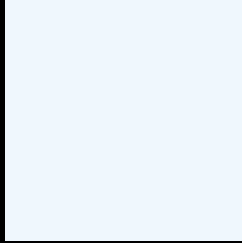
Large Text (above 18pt) WCAG AA × Fail

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 86.5870, 91.9641, 106.1157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

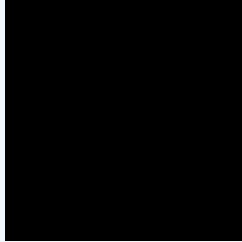
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

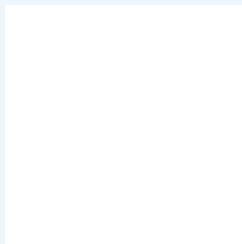
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.5870, 91.9641, 106.1157

Background



This preview shows how black text looks on a background with the XYZ color 86.5870, 91.9641, 106.1157.

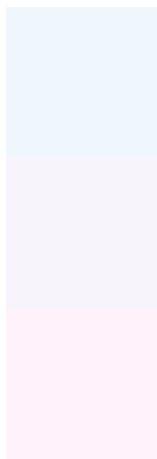


This preview shows how white text looks on a background with the XYZ color 86.5870, 91.9641, 106.1157.

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

86.5870, 91.9641, 106.1157

Protanopia

88.4747, 91.6229, 104.2887

Deuteranopia

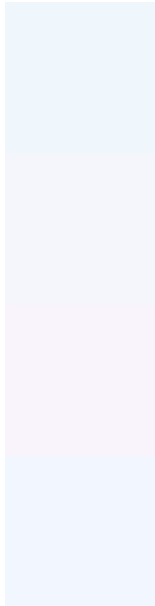
90.2474, 91.6664, 103.3793



Tritanopia

87.6646, 91.5795, 107.6639

Trichromacy



Original Color

86.5870, 91.9641, 106.1157

Protanomaly

87.8793, 91.7456, 105.1724

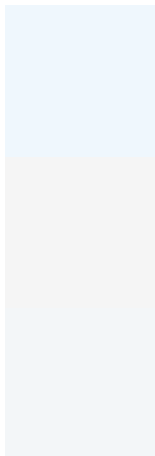
Deuteranomaly

88.8302, 91.8061, 104.3053

Tritanomaly

87.4631, 91.9445, 106.9032

Monochromacy



Original Color

86.5870, 91.9641, 106.1157

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

86.8612, 91.7435, 101.9371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.5870, 91.9641, 106.1157 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(239, 247, 253) looks like.

```
.text, #text, p{  
    color:rgb(239, 247, 253)  
}
```

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(239, 247, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 247, 253) }
```

Border

The CSS property to change the border of an element to XYZ 86.5870, 91.9641, 106.1157 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(239, 247, 253) }
```


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

```
.border{ border-color:rgb(239, 247, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 247, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 247, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 247, 253);  
box-shadow:4px 4px 4px 4px rgb(239, 247,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 86.5870, 91.9641, 106.1157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 247, 253) }
```

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

```
.background{ background-color: rgb(239,  
247, 253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor