

Converting Colors

XYZ(88.4733, 95.0626,
118.1890)

Have a look what the booklet for
XYZ(88.4733, 95.0626, 118.1890)
contains.

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Color

**XYZ(86.4647, 94.1644,
108.2261)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FCFF
RGB	233, 252, 255
RGB Percent	91%, 99%, 100%
CMY	0.0863, 0.0117, 0.0000
CMYK	0.09, 0.01, 0.00, 0.00
HSL	188°, 100%, 96%
HSV	188°, 9%, 100%
XYZ	86.4647, 94.1644, 108.2261
YIQ	246.6610, -12.2870, -3.0950

Conversions

Conversions Part 2

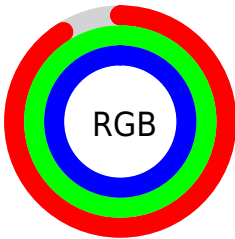
Format	Color
R_{YB}	233, 243, 255
Decimal	15334655
CIE _{Lab}	97.70, -5.60, -3.57
CIE _{LCh}	98, 6.643, 212.463
Yxy	94.1644, 0.2993, 0.3260
Android (android.graphics.Color)	4293524735 (0xFFE9FCFF)
YUV	246.6610, 4.1111, -11.9807
Hunter-Lab	97.0383, -10.7671, 1.8012

Details

The XYZ color **86.4647, 94.1644, 108.2261** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.9428, 87.1324, 89.3811**, and the grayscale version is **88.1097, 92.6983, 100.9485**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.8396, 52.4545, 61.0294** is the 20% darker color. If you saturate the color by 10%, you get **77.6546, 88.0216, 107.5048**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

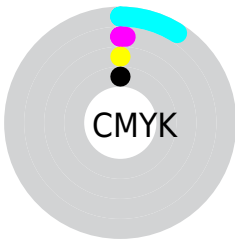
Distribution



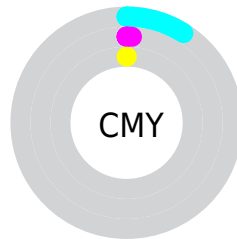
- Red (91%)
- Green (99%)
- Blue (100%)



- Red (91%)
- Yellow (95%)
- Blue (100%)



- Cyan (9%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.4647, 94.1644, 108.2261 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 86.4647, 94.1644, 108.2261 by changing the saturation by 10% instead.


 86.4647, 94.1644,
108.2261

 86.4647, 94.1644,
108.2261


504.8732,
541.4864, 607.7270

 65.3789, 71.4397,
82.5330


141.3213,
153.1097, 174.5668

 48.0342, 52.7011,
61.2666


175.8227,
190.0991, 216.0514

 34.0653, 37.5642,
44.0084

215.5268,
232.6121, 263.6369

 23.1069, 25.6446,
30.3399

260.7988,
281.0332, 317.7419

 14.7936, 16.5580,
19.8425

312.0040,
335.7469, 378.7848

 8.7600, 9.9198,
12.0976

369.5080,

 4.6408, 5.3458,

397.1373, 447.1843

6.6869

433.6759,
465.5890, 523.3589

■ 2.0707, 2.4516,
3.1916

■ 0.6732, 0.8522,
1.1933

■ 86.4647, 94.1644,
108.2261

■ 86.4647, 94.1644,
108.2261

■ 77.6546, 88.0216,
107.5048

95.0500, 100.0000,
108.9000

■ 70.0134, 82.5082,
106.8433

■ 63.4884, 77.5995,
106.2398

■ 58.0200, 73.2646,
105.6912

■ 53.5428, 69.4696,
105.1947

■ 49.9841, 66.1769,
104.7467

■ 47.2611, 63.3436,
104.3434

■ 45.2756, 60.9189,
103.9800

■ 43.8879, 58.8308,
103.6501

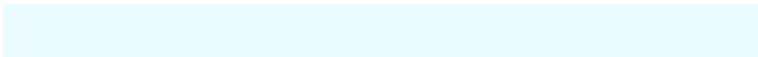
Harmonies

Analogous

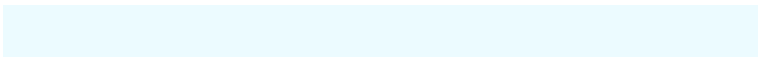
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9134, 94.1644, 102.9777



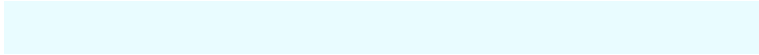
86.4647, 94.1644, 108.2261



87.8284, 94.1644, 112.0518

Triad

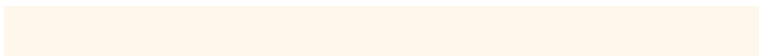
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.4647, 94.1644, 108.2261



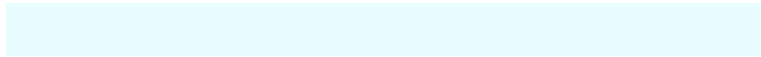
92.7665, 94.1644, 107.4237



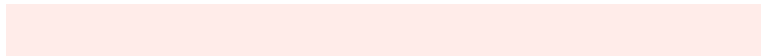
89.3441, 94.1644, 92.4641

Complementary

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



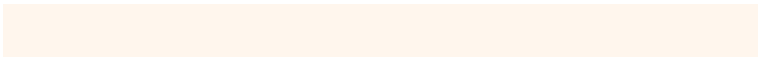
86.4647, 94.1644, 108.2261



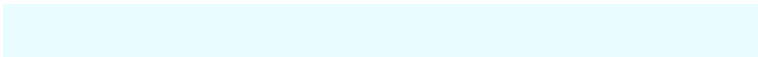
85.9428, 87.1324, 89.3811

Split Complementary

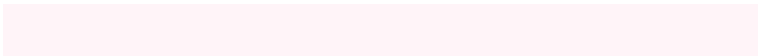
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.1936, 94.1644, 93.5616



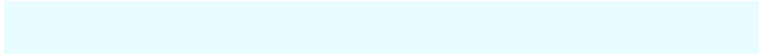
86.4647, 94.1644, 108.2261



93.1860, 94.1644, 102.0817

Square

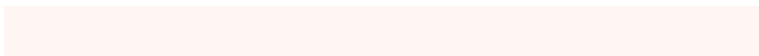
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.4647, 94.1644, 108.2261



91.4682, 94.1644, 111.5772



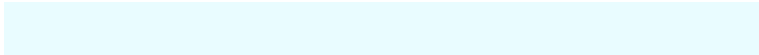
92.6064, 94.1644, 97.0355



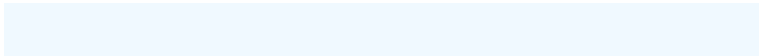
87.5611, 94.1644, 93.9838

Rectangle

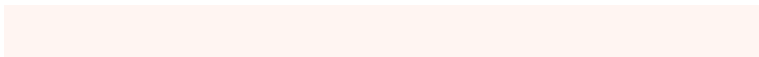
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



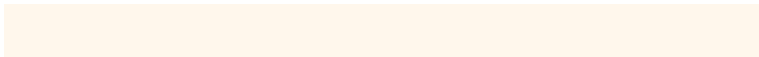
86.4647, 94.1644, 108.2261



89.0239, 94.1644, 113.2131



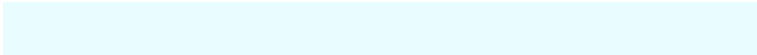
92.6064, 94.1644, 97.0355



89.9786, 94.1644, 92.5392

Sweetspot

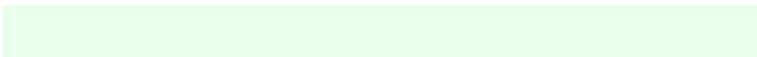
The Sweet Spot groups the original color and five complimentary colors.



86.4671, 94.1683, 108.2267



91.9600, 97.9152, 108.6605



84.4959, 94.8964, 93.1710



19.5105, 20.8408, 23.2443



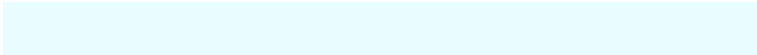
0.0000, 0.0000, 0.0000



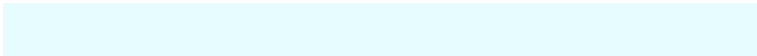
20.3446, 21.4041, 23.3091

Same Dimension

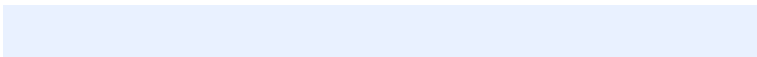
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4671, 94.1683, 108.2267



85.1855, 93.2855, 108.1239



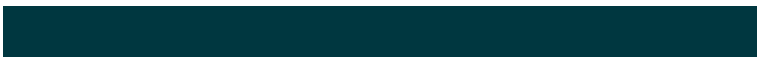
83.1305, 87.4949, 107.1145



18.3316, 20.0348, 23.1509



22.9255, 30.7606, 54.1637



2.2879, 3.1065, 5.2923

Inverse Universe

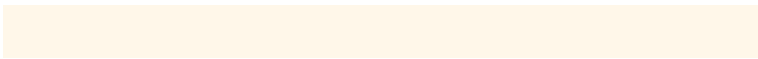
The Inverse Universe completely reimagines the original color for something new.



87.9511, 86.5677, 104.1737



86.8939, 84.5742, 103.4490



89.1889, 93.6246, 90.4631



18.6800, 18.2553, 22.1981



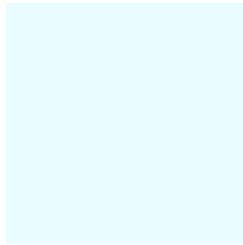
28.3599, 13.8333, 36.8754



2.7894, 1.3581, 3.7386

Previews

White Background



This preview shows how the XYZ color 86.4647, 94.1644, 108.2261 looks on a white background.

Color Contrast Check

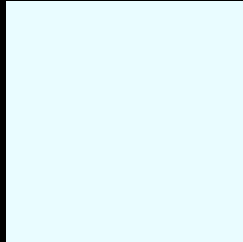
Large Text (above 18pt) WCAG AA × Fail

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 86.4647, 94.1644, 108.2261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

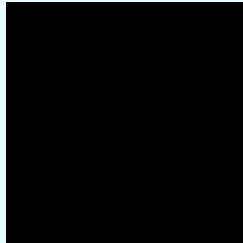
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.4647, 94.1644, 108.2261

Background



This preview shows how black text looks on a background with the XYZ color 86.4647, 94.1644, 108.2261.

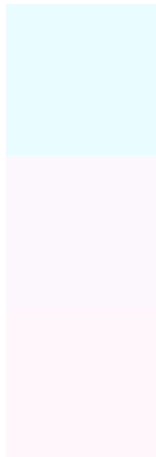


This preview shows how white text looks on a background with the XYZ color 86.4647, 94.1644,

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

86.4647, 94.1644, 108.2261

Protanopia

90.6151, 94.0590, 105.4747

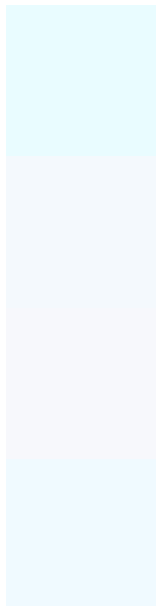
Deuteranopia

91.6084, 94.1366, 104.6087

Tritanopia

89.2339, 94.2045, 108.0879

Trichromacy



Original Color

86.4647, 94.1644, 108.2261

Protanomaly

88.9135, 94.0763, 106.4008

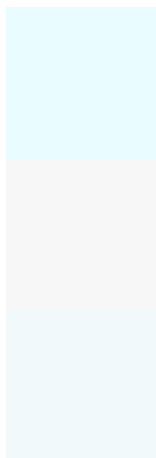
Deuteranomaly

89.4959, 93.9372, 105.5102

Tritanomaly

88.1708, 94.1165, 108.1269

Monochromacy



Original Color

86.4647, 94.1644, 108.2261

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

87.7490, 93.5307, 103.8709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.4647, 94.1644, 108.2261 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(233, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 252, 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(233, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 86.4647, 94.1644, 108.2261 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(233, 252, 255) }
```


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

```
.border{ border-color:rgb(233, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 86.4647, 94.1644, 108.2261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 252, 255) }
```

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

```
.background{ background-color: rgb(233,  
252, 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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