

Converting Colors

XYZ(85.8108, 92.7094,
106.4823)

Have a look what the booklet for
XYZ(85.8108, 92.7094, 106.4823)
contains.

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Color

**XYZ(85.8469, 92.9555,
106.3461)**

Conversions

Conversions Part 1

Format	Color
Hex	EAF4FD
RGB	234, 250, 253
RGB Percent	92%, 98%, 99%
CMY	0.0823, 0.0196, 0.0078
CMYK	0.08, 0.01, 0.00, 0.01
HSL	189°, 83%, 95%
HSV	189°, 8%, 99%
XYZ	85.8469, 92.9555, 106.3461
YIQ	245.5580, -10.4990, -2.4590

Conversions

Conversions Part 2

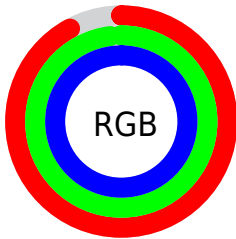
Format	Color
RYB	234, 243, 253
Decimal	15399677
CIELab	97.21, -4.66, -3.25
CIELCh	97, 5.675, 214.885
Yxy	92.9555, 0.3011, 0.3260
Android (android.graphics.Color)	4293589757 (0xFFEAF6FD)
YUV	245.5580, 3.6689, -10.1364
Hunter-Lab	96.4134, -9.7864, 2.0913

Details

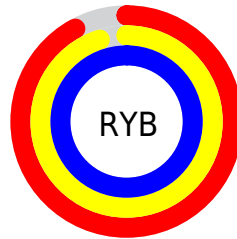
The XYZ color **85.8469, 92.9555, 106.3461** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.6438, 87.3908, 90.1975**, and the grayscale version is **87.2201, 91.7624, 99.9292**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6157, 52.0341, 59.7585** is the 20% darker color. If you saturate the color by 10%, you get **76.9007, 86.5251, 105.5779**, and if you desaturate by 10%, it is **94.4102, 99.2326, 107.1078**.

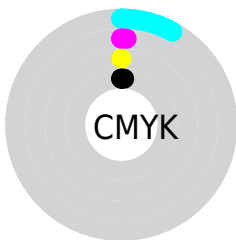
Distribution



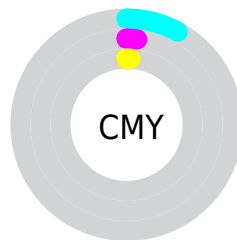
- Red (92%)
- Green (98%)
- Blue (99%)



- Red (92%)
- Yellow (95%)
- Blue (99%)



- Cyan (8%)
- Magenta (1%)
- Yellow (0%)
- Black (1%)





- Cyan (8%)
- Magenta (2%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.8469, 92.9555, 106.3461 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 85.8469, 92.9555, 106.3461 by changing the saturation by 10% instead.


 85.8469, 92.9555,
106.3461

 85.8469, 92.9555,
106.3461


502.8678,
537.5988, 601.7724

 64.8662, 70.4345,
80.9646


140.4637,
151.4370, 171.9789

 47.6169, 51.8809,
59.9816


174.8306,
188.1663, 213.0672

 33.7336, 36.9101,
42.9786


214.3903,
230.4005, 260.2282

 22.8509, 25.1379,
29.5371

259.5081,
278.5240, 313.8804

 14.6036, 16.1798,
19.2384

310.5494,
332.9212, 374.4424

 8.6261, 9.6515,
11.6641

367.8796,

 4.5533, 5.1685,

393.9765, 442.3327

6.3957

431.8639,
462.0742, 517.9699

■ 2.0197, 2.3465,
3.0145

■ 0.6450, 0.7981,
1.1020

■ 85.8469, 92.9555,
106.3461

■ 85.8469, 92.9555,
106.3461

■ 76.9007, 86.5251,
105.5779

94.4102, 99.2326,
107.1078

■ 69.1140, 80.7285,
104.8694

94.7299, 99.8720,
107.2144

■ 62.4357, 75.5419,
104.2203

■ 56.8077, 70.9349,
103.6277

■ 52.1666, 66.8746,
103.0886

■ 48.4419, 63.3245,
102.5996

■ 45.5537, 60.2431,
102.1571

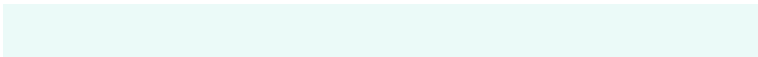
■ 43.4077, 57.5816,
101.7565

■ 41.8804, 55.2760,
101.3919

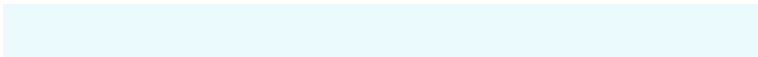
Harmonies

Analogous

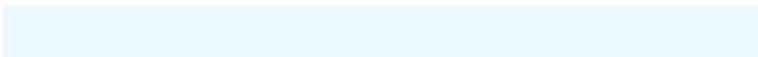
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3156, 92.9555, 101.9663



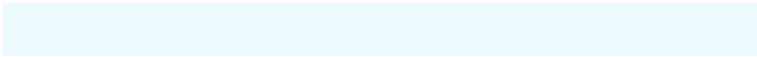
85.8469, 92.9555, 106.3461



87.0495, 92.9555, 109.4183

Triad

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



85.8469, 92.9555, 106.3461



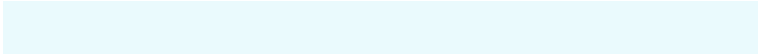
91.1719, 92.9555, 105.0061



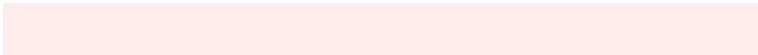
88.0892, 92.9555, 92.6692

Complementary

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



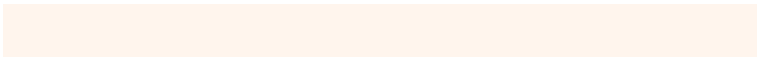
85.8469, 92.9555, 106.3461



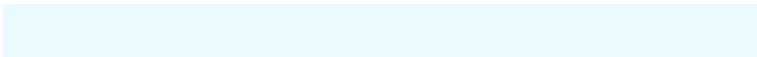
85.6438, 87.3908, 90.1975

Split Complementary

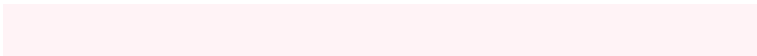
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.6662, 92.9555, 93.4280



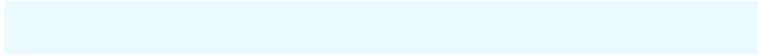
85.8469, 92.9555, 106.3461



91.4584, 92.9555, 100.4629

Square

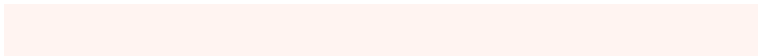
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.8469, 92.9555, 106.3461



90.1261, 92.9555, 108.6284



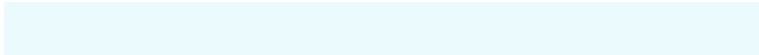
90.9042, 92.9555, 96.2473



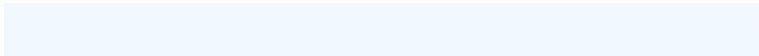
86.6002, 92.9555, 94.1425

Rectangle

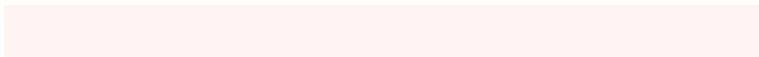
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.8469, 92.9555, 106.3461



88.0769, 92.9555, 110.2626



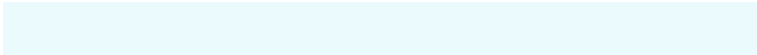
90.9042, 92.9555, 96.2473



88.6265, 92.9555, 92.6721

Sweetspot

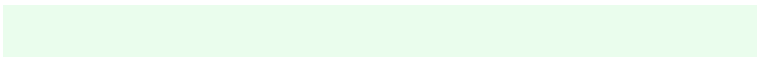
The Sweet Spot groups the original color and five complimentary colors.



85.8496, 92.9594, 106.3482



92.9425, 98.5335, 108.7280



84.3226, 93.8502, 93.6780



19.9156, 21.1056, 23.2741



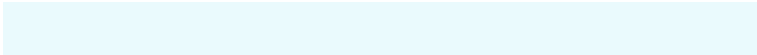
0.0000, 0.0000, 0.0000



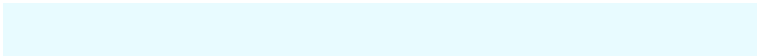
20.3446, 21.4041, 23.3091

Same Dimension

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



85.8496, 92.9594, 106.3482



85.9613, 93.6168, 108.1470



83.0145, 87.2894, 105.4031



18.2966, 19.9648, 23.1392



22.1924, 29.2944, 53.9193



2.2234, 2.9776, 5.2708

Inverse Universe

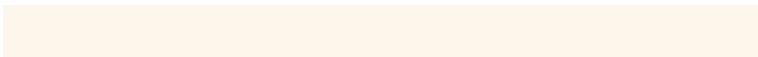
The Inverse Universe completely reimagines the original color for something new.



87.1882, 86.6322, 102.5735



87.5834, 85.9905, 103.5637



88.4231, 92.9493, 91.1240



18.6623, 18.2483, 22.1050



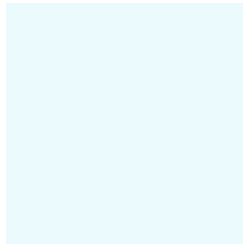
27.9899, 13.6853, 34.9269



2.7569, 1.3451, 3.5672

Previews

White Background



This preview shows how the XYZ color 85.8469, 92.9555, 106.3461 looks on a white background.

Color Contrast Check

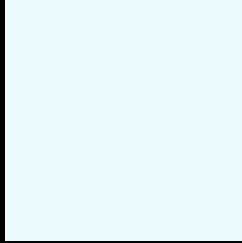
Large Text (above 18pt) WCAG AA × Fail

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 85.8469, 92.9555, 106.3461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

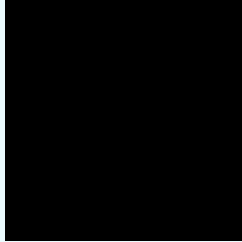
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.8469, 92.9555, 106.3461

Background



This preview shows how black text looks on a background with the XYZ color 85.8469, 92.9555, 106.3461.



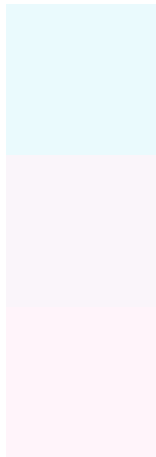
This preview shows how white text looks on a background with the XYZ color 85.8469, 92.9555,

106.3461.

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

85.8469, 92.9555, 106.3461

Protanopia

89.3321, 92.5309, 103.5944

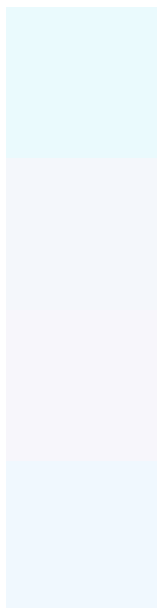
Deuteranopia

90.8460, 92.8635, 103.5788

Tritanopia

88.2729, 92.7962, 107.8667

Trichromacy



Original Color

85.8469, 92.9555, 106.3461

Protanomaly

87.9816, 92.7197, 104.5263

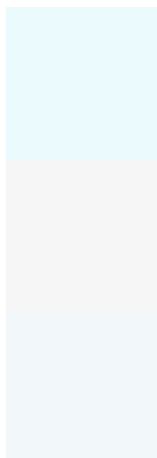
Deuteranomaly

88.7261, 92.6507, 104.4738

Tritanomaly

87.3920, 92.8158, 107.0751

Monochromacy



Original Color

85.8469, 92.9555, 106.3461

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.9776, 92.2383, 102.8421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.8469, 92.9555, 106.3461 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(234, 250, 253)` looks like.

```
.text, #text, p{  
    color:rgb(234, 250, 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(234, 250, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 250, 253) }
```

Border

The CSS property to change the border of an element to XYZ 85.8469, 92.9555, 106.3461 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(234, 250, 253) }
```


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

```
.border{ border-color:rgb(234, 250, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 250, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 250, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 250, 253);  
box-shadow:4px 4px 4px 4px rgb(234, 250,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 85.8469, 92.9555, 106.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 250, 253) }
```

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

```
.background{ background-color: rgb(234,  
250, 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](#).

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