

Converting Colors

XYZ(96.1493, 96.5016,
158.9063)

Have a look what the booklet for
XYZ(96.1493, 96.5016, 158.9063)
contains.

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Color

**XYZ(86.5178, 92.8042,
107.9608)**

Conversions

Conversions Part 1

Format	Color
Hex	ECF9FF
RGB	236, 249, 255
RGB Percent	93%, 98%, 100%
CMY	0.0745, 0.0235, 0.0000
CMYK	0.07, 0.02, 0.00, 0.00
HSL	199°, 100%, 96%
HSV	199°, 7%, 100%
XYZ	86.5178, 92.8042, 107.9608
YIQ	245.7970, -9.6740, -0.8900

Conversions

Conversions Part 2

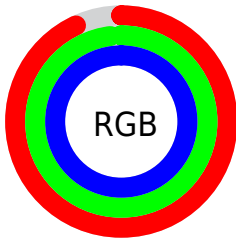
Format	Color
R _Y B	236, 244, 255
Decimal	15530495
CIE Lab	97.15, -3.13, -4.35
CIE LCh	97, 5.362, 234.230
Yxy	92.8042, 0.3012, 0.3230
Android (android.graphics.Color)	4293720575 (0xFFE9CF9F)
YUV	245.7970, 4.5371, -8.5920
Hunter-Lab	96.3349, -8.2764, 0.9892

Details

The XYZ color **86.5178, 92.8042, 107.9608** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.1318, 90.8186, 92.2433**, and the grayscale version is **87.4056, 91.9575, 100.1417**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.0854, 51.9204, 60.9134** is the 20% darker color. If you saturate the color by 10%, you get **76.2148, 83.8820, 106.7816**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

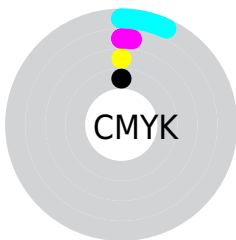
Distribution



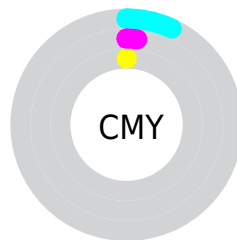
- Red (93%)
- Green (98%)
- Blue (100%)



- Red (93%)
- Yellow (96%)
- Blue (100%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 86.5178, 92.8042, 107.9608 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 86.5178, 92.8042, 107.9608 by changing the saturation by 10% instead.

86.5178, 92.8042,
107.9608

86.5178, 92.8042,
107.9608

505.0454,
537.1112, 606.8886

65.4229, 70.3088,
82.3115

141.3950,
151.2275, 174.2018

48.0701, 51.7783,
61.0850

175.9080,
187.9242, 215.6307

34.0939, 36.8284,
43.8628

215.6244,
230.1234, 263.1565

23.1290, 25.0746,
30.2263

260.9096,
278.2095, 317.1978

14.8100, 16.1327,
19.7569

312.1290,
332.5670, 378.1731

8.7716, 9.6181,
12.0361

369.6478,

4.6484, 5.1465,

393.5801, 446.5010

6.6454

433.8315,
461.6334, 522.5999

■ 2.0751, 2.3335,
3.1663

■ 0.6756, 0.7913,
1.1802

■ 86.5178, 92.8042,
107.9608

■ 86.5178, 92.8042,
107.9608

■ 76.2148, 83.8820,
106.7816

95.0500, 100.0000,
108.9000

■ 67.1724, 75.7632,
105.6911

■ 59.3371, 68.4208,
104.6869

■ 52.6485, 61.8218,
103.7657

■ 47.0408, 55.9300,
102.9240

■ 42.4408, 50.7058,
102.1581

■ 38.7658, 46.1041,
101.4636

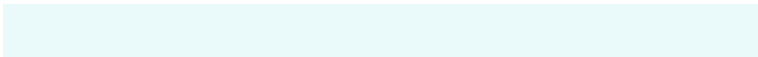
■ 35.9186, 42.0728,
100.8355

■ 33.7726, 38.5443,
100.2675

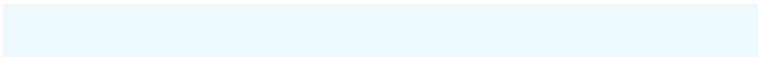
Harmonies

Analogous

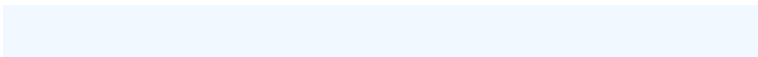
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5809, 92.8042, 104.5065



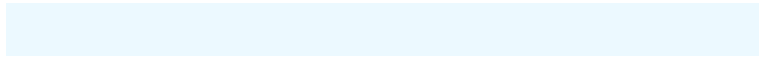
86.5178, 92.8042, 107.9608



87.9154, 92.8042, 109.5673

Triad

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



86.5178, 92.8042, 107.9608



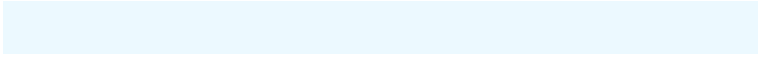
91.1342, 92.8042, 101.8880



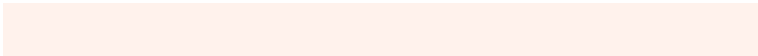
87.0189, 92.8042, 93.6383

Complementary

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



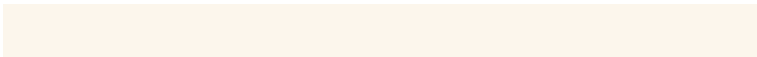
86.5178, 92.8042, 107.9608



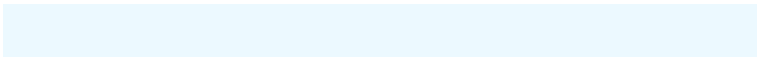
88.1318, 90.8186, 92.2433

Split Complementary

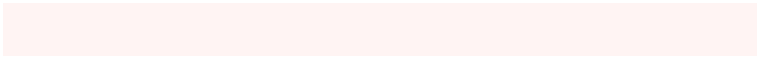
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.5004, 92.8042, 92.9822



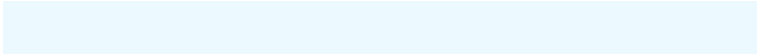
86.5178, 92.8042, 107.9608



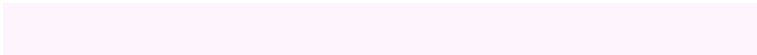
90.8875, 92.8042, 97.6667

Square

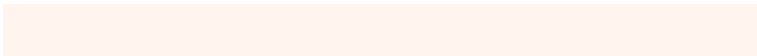
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



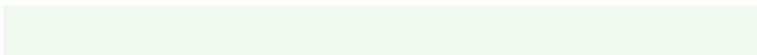
86.5178, 92.8042, 107.9608



90.5894, 92.8042, 105.9974



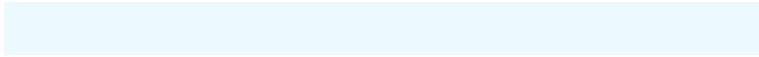
89.9193, 92.8042, 94.4368



85.8679, 92.8042, 96.2551

Rectangle

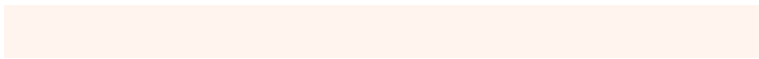
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.5178, 92.8042, 107.9608



88.9248, 92.8042, 109.3421



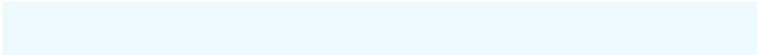
89.9193, 92.8042, 94.4368



87.4943, 92.8042, 93.1843

Sweetspot

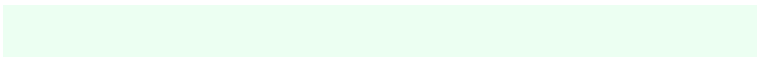
The Sweet Spot groups the original color and five complimentary colors.



86.5202, 92.8080, 107.9614



92.6873, 98.0231, 108.6429



86.3350, 95.7461, 97.7001



19.8637, 21.0018, 23.2568



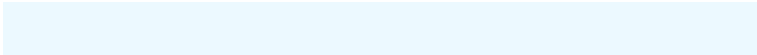
0.0000, 0.0000, 0.0000



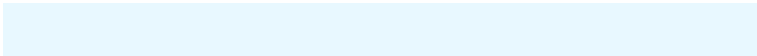
20.3446, 21.4041, 23.3091

Same Dimension

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



86.5202, 92.8080, 107.9614



84.8381, 91.3705, 107.7726



83.7446, 87.2568, 107.0362



18.0431, 19.4578, 23.0547



17.5348, 19.9792, 52.3668



1.8054, 2.1416, 5.1315

Inverse Universe

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



88.3358, 88.0921, 101.9747



87.0165, 85.7637, 100.5783



90.9405, 96.4359, 93.1795



18.5344, 18.1971, 21.4313



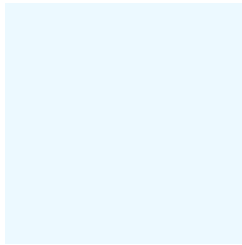
25.6390, 12.7449, 22.5471



2.5459, 1.2607, 2.4562

Previews

White Background



This preview shows how the XYZ color 86.5178, 92.8042, 107.9608 looks on a white background.

Color Contrast Check

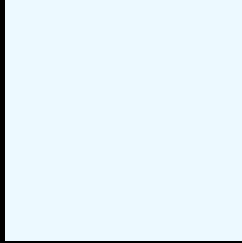
Large Text (above 18pt) WCAG AA × Fail

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 86.5178, 92.8042, 107.9608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

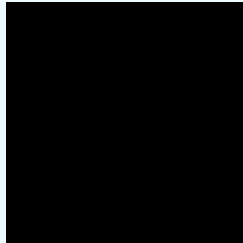
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

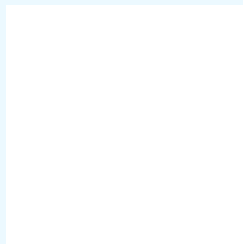
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.5178, 92.8042, 107.9608

Background



This preview shows how black text looks on a background with the XYZ color 86.5178, 92.8042, 107.9608.



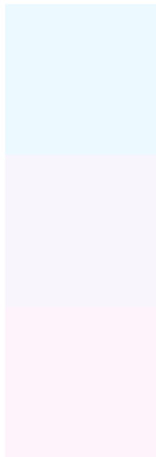
This preview shows how white text looks on a background with the XYZ color 86.5178, 92.8042,

107.9608.

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

86.5178, 92.8042, 107.9608

Protanopia

89.4490, 92.5364, 106.0754

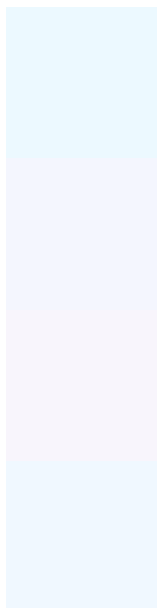
Deuteranopia

90.7032, 92.3262, 104.3070

Tritanopia

88.2729, 92.7962, 107.8667

Trichromacy



Original Color

86.5178, 92.8042, 107.9608

Protanomaly

88.1534, 92.3004, 106.9355

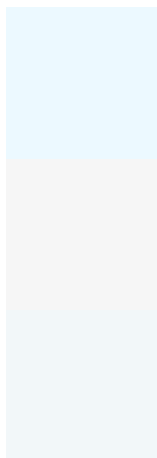
Deuteranomaly

88.9345, 92.2895, 105.2218

Tritanomaly

87.5526, 92.8801, 107.9209

Monochromacy



Original Color

86.5178, 92.8042, 107.9608

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 86.5178, 92.8042, 107.9608 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(236, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 249, 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(236, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 249, 255) }
```

Border

The CSS property to change the border of an element to XYZ 86.5178, 92.8042, 107.9608 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(236, 249, 255) }
```


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

```
.border{ border-color:rgb(236, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 249,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 86.5178, 92.8042, 107.9608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 249, 255) }
```

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

```
.background{ background-color: rgb(236,  
249, 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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