

Converting Colors

XYZ(85.7739, 91.9991,
107.8446)

Have a look what the booklet for
XYZ(85.7739, 91.9991, 107.8446)
contains.

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Color

**XYZ(85.8784, 92.0170,
107.8425)**

Conversions

Conversions Part 1

Format	Color
Hex	EBF8FF
RGB	235, 248, 255
RGB Percent	92%, 97%, 100%
CMY	0.0784, 0.0274, 0.0000
CMYK	0.08, 0.03, 0.00, 0.00
HSL	201°, 100%, 96%
HSV	201°, 8%, 100%
XYZ	85.8784, 92.0170, 107.8425
YIQ	244.9110, -9.9950, -0.5790

Conversions

Conversions Part 2

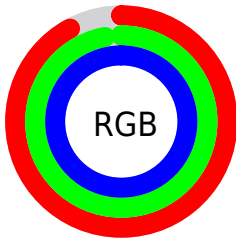
Format	Color
R _Y B	235, 243, 255
Decimal	15464703
CIE Lab	96.83, -2.95, -4.83
CIE LCh	97, 5.660, 238.606
Yxy	92.0170, 0.3005, 0.3220
Android (android.graphics.Color)	4293654783 (0xFFEBF8FF)
YUV	244.9110, 4.9739, -8.6919
Hunter-Lab	95.9255, -8.0654, 0.4921

Details

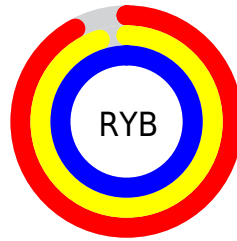
The XYZ color **85.8784, 92.0170, 107.8425** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.9868, 90.7605, 91.4800**, and the grayscale version is **86.6887, 91.2033, 99.3203**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6331, 51.3602, 60.8291** is the 20% darker color. If you saturate the color by 10%, you get **75.3787, 82.6325, 106.5845**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

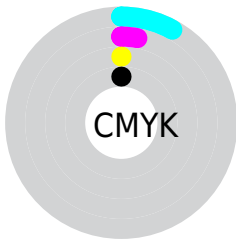
Distribution



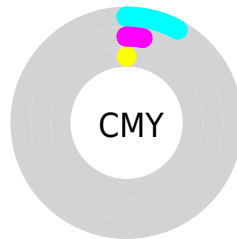
- Red (92%)
- Green (97%)
- Blue (100%)



- Red (92%)
- Yellow (95%)
- Blue (100%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.8784, 92.0170, 107.8425 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 85.8784, 92.0170, 107.8425 by changing the saturation by 10% instead.

85.8784, 92.0170,
107.8425

85.8784, 92.0170,
107.8425

502.9702,
534.5705, 606.5145

64.8924, 69.6547,
82.2128

140.5075,
150.1370, 174.0391

47.6382, 51.2451,
61.0041

174.8812,
186.6634, 215.4431

33.7505, 36.4037,
43.7979

214.4483,
228.6801, 262.9422

22.8640, 24.7462,
30.1756

259.5740,
276.5714, 316.9551

14.6132, 15.8880,
19.7188

310.6236,
330.7217, 377.9002

8.6329, 9.4450,
12.0087

367.9627,

4.5577, 5.0325,

391.5154, 446.1961

6.6270

431.9564,
459.3368, 522.2614

■ 2.0222, 2.2664,
3.1551

■ 0.6464, 0.7558,
1.1743

■ 85.8784, 92.0170,
107.8425

■ 85.8784, 92.0170,
107.8425

■ 75.3787, 82.6325,
106.5845

95.0500, 100.0000,
108.9000

■ 66.1612, 74.0977,
105.4230

■ 58.1718, 66.3846,
104.3553

■ 51.3493, 59.4589,
103.3781

■ 45.6272, 53.2834,
102.4877

■ 40.9314, 47.8171,
101.6800

■ 37.1783, 43.0137,
100.9507

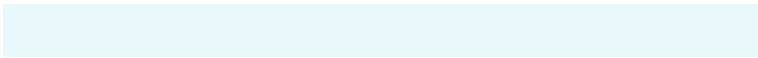
■ 34.2692, 38.8194,
100.2945

■ 32.0728, 35.1633,
99.7045

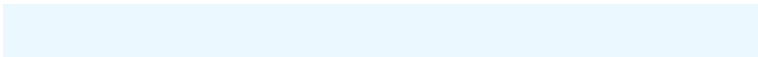
Harmonies

Analogous

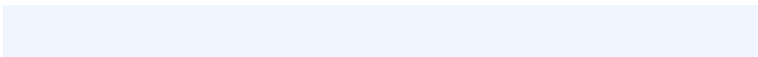
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8059, 92.0170, 104.4364



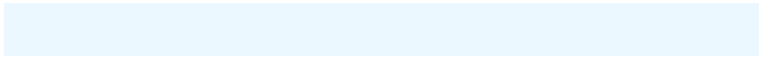
85.8784, 92.0170, 107.8425



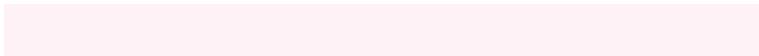
87.3851, 92.0170, 109.1899

Triad

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



85.8784, 92.0170, 107.8425



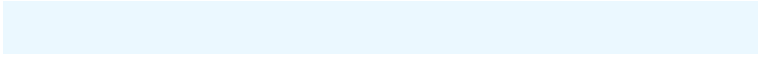
90.5476, 92.0170, 100.4038



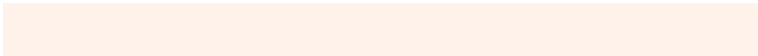
86.0056, 92.0170, 92.7078

Complementary

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



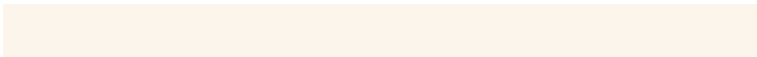
85.8784, 92.0170, 107.8425



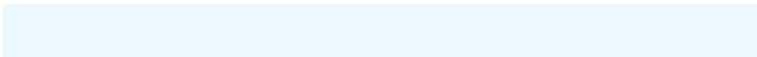
87.9868, 90.7605, 91.4800

Split Complementary

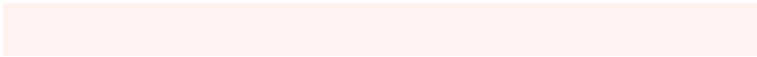
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5337, 92.0170, 91.7003



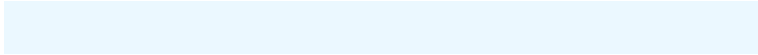
85.8784, 92.0170, 107.8425



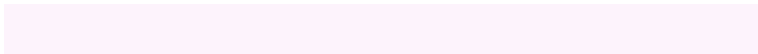
90.1676, 92.0170, 96.0620

Square

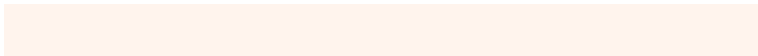
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.8784, 92.0170, 107.8425



90.0918, 92.0170, 104.8157



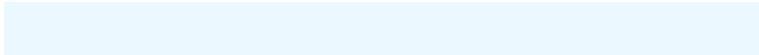
89.0597, 92.0170, 92.9100



84.8787, 92.0170, 95.7041

Rectangle

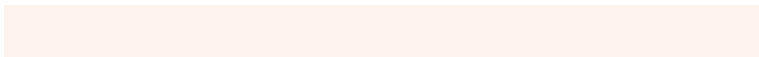
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



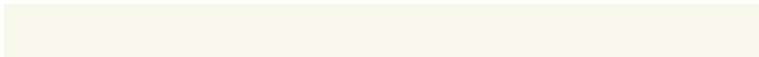
85.8784, 92.0170, 107.8425



88.4373, 92.0170, 108.7094



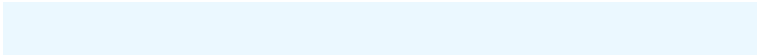
89.0597, 92.0170, 92.9100



86.4888, 92.0170, 92.1294

Sweetspot

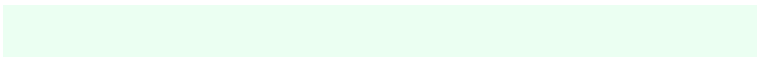
The Sweet Spot groups the original color and five complimentary colors.



85.8808, 92.0208, 107.8431



92.6321, 97.9127, 108.6245



85.9989, 95.5734, 97.6582



19.8524, 20.9793, 23.2530



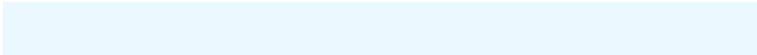
0.0000, 0.0000, 0.0000



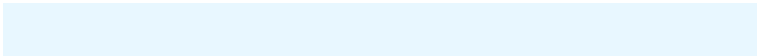
20.3446, 21.4041, 23.3091

Same Dimension

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



85.8808, 92.0208, 107.8431



84.5975, 90.8892, 107.6923



82.9839, 86.2270, 106.8775



17.9888, 19.3493, 23.0366



16.6842, 18.2779, 52.0832



1.7270, 1.9847, 5.1053

Inverse Universe

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



87.8931, 87.4556, 101.0596



86.8950, 85.7151, 99.9387



90.9416, 96.6701, 92.4650



18.5070, 18.1861, 21.2871



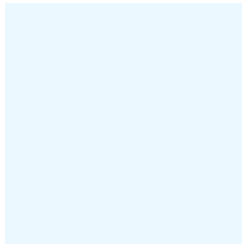
25.2096, 12.5731, 20.2860



2.5063, 1.2449, 2.2477

Previews

White Background



This preview shows how the XYZ color 85.8784, 92.0170, 107.8425 looks on a white background.

Color Contrast Check

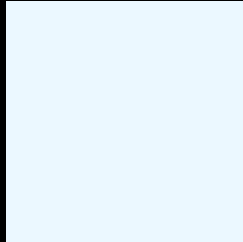
Large Text (above 18pt) WCAG AA × Fail

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 85.8784, 92.0170, 107.8425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

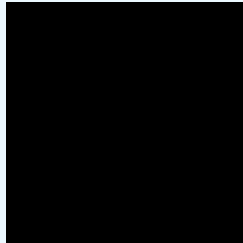
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

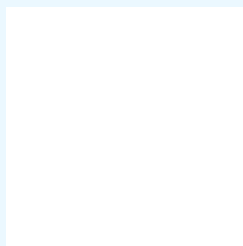
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.8784, 92.0170, 107.8425

Background



This preview shows how black text looks on a background with the XYZ color 85.8784, 92.0170, 107.8425.



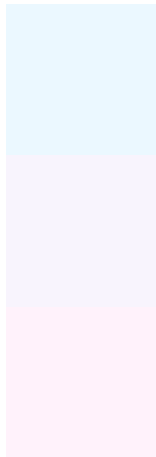
This preview shows how white text looks on a background with the XYZ color 85.8784, 92.0170,

107.8425.

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

85.8784, 92.0170, 107.8425

Protanopia

88.7917, 91.7497, 105.9581

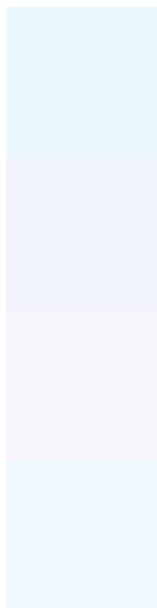
Deuteranopia

90.4047, 91.7293, 104.2075

Tritanopia

87.6237, 92.0088, 107.7489

Trichromacy



Original Color

85.8784, 92.0170, 107.8425

Protanomaly

87.5039, 91.5153, 106.8182

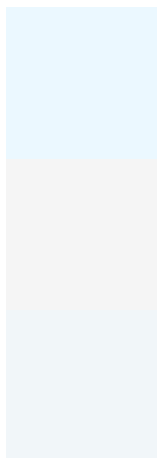
Deuteranomaly

88.6328, 91.6861, 105.1212

Tritanomaly

86.9074, 92.0923, 107.8028

Monochromacy



Original Color

85.8784, 92.0170, 107.8425

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

86.3303, 91.4519, 102.7244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.8784, 92.0170, 107.8425 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, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 248, 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(235, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 85.8784, 92.0170, 107.8425 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, 248, 255) }
```


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

```
.border{ border-color:rgb(235, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 85.8784, 92.0170, 107.8425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 248, 255) }
```

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

```
.background{ background-color: rgb(235,  
248, 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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