

Converting Colors

XYZ(84.1125, 90.4239,
107.6281)

Have a look what the booklet for
XYZ(84.1125, 90.4239, 107.6281)
contains.

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Color

**XYZ(84.2658, 90.7305,
107.6792)**

Conversions

Conversions Part 1

Format	Color
Hex	E7F7FF
RGB	231, 247, 255
RGB Percent	91%, 97%, 100%
CMY	0.0941, 0.0314, 0.0000
CMYK	0.09, 0.03, 0.00, 0.00
HSL	200°, 100%, 95%
HSV	200°, 9%, 100%
XYZ	84.2658, 90.7305, 107.6792
YIQ	243.1280, -12.1040, -0.9040

Conversions

Conversions Part 2

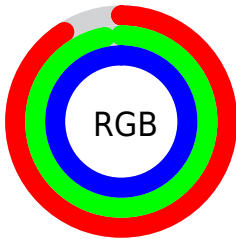
Format	Color
R _Y B	231, 241, 255
Decimal	15202303
CIE Lab	96.30, -3.72, -5.64
CIE LCh	96, 6.755, 236.628
Yxy	90.7305, 0.2981, 0.3210
Android (android.graphics.Color)	4293392383 (0xFFE7F7FF)
YUV	243.1280, 5.8529, -10.6363
Hunter-Lab	95.2526, -8.7808, -0.3482

Details

The XYZ color **84.2658, 90.7305, 107.6792** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.5296, 88.7607, 88.1748**, and the grayscale version is **85.2572, 89.6972, 97.6802**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5030, 50.4528, 60.7135** is the 20% darker color. If you saturate the color by 10%, you get **74.0890, 81.7175, 106.4759**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

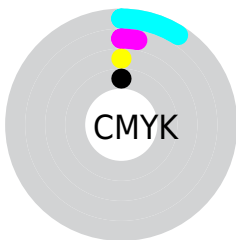
Distribution



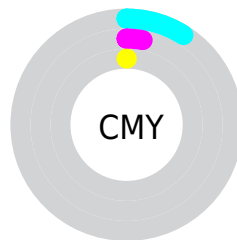
- Red (91%)
- Green (97%)
- Blue (100%)



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



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.2658, 90.7305, 107.6792 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 84.2658, 90.7305, 107.6792 by changing the saturation by 10% instead.

84.2658, 90.7305,
107.6792

84.2658, 90.7305,
107.6792

497.7158,
530.4043, 605.9979

63.5554, 68.5867,
82.0765

138.2663,
148.3527, 173.8144

46.5510, 50.3752,
60.8924

172.2870,
184.5998, 215.1840

32.8873, 35.7116,
43.7084

211.4752,
226.3169, 262.6463

22.1989, 24.2115,
30.1058

256.1962,
273.8882, 316.6200

14.1206, 15.4906,
19.6662

306.8155,
327.6982, 377.5234

8.2868, 9.1644,
11.9710

363.6982,

4.3324, 4.8486,

388.1313, 445.7752

6.6016

427.2099,
455.5718, 521.7938

■ 1.8918, 2.1587,
3.1396

■ 0.5721, 0.6973,
1.1663

■ 84.2658, 90.7305,
107.6792

■ 84.2658, 90.7305,
107.6792

■ 74.0890, 81.7175,
106.4759

95.0500, 100.0000,
108.9000

■ 65.1741, 73.5260,
105.3646

■ 57.4664, 66.1278,
104.3429

■ 50.9044, 59.4889,
103.4073

■ 45.4206, 53.5720,
102.5543

■ 40.9402, 48.3360,
101.7797

■ 37.3776, 43.7343,
101.0793

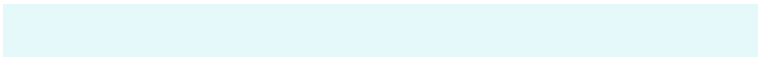
■ 34.6315, 39.7119,
100.4476

■ 32.5472, 36.1864,
99.8770

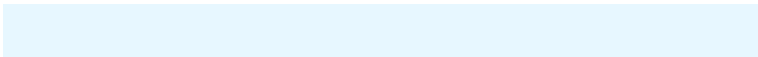
Harmonies

Analogous

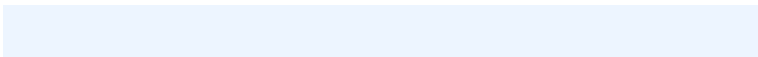
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0492, 90.7305, 103.4972



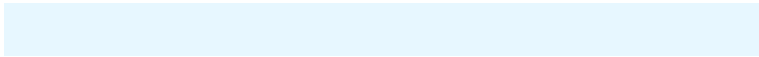
84.2658, 90.7305, 107.6792



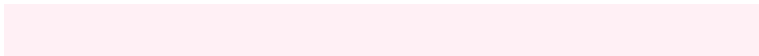
86.0244, 90.7305, 109.4759

Triad

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



84.2658, 90.7305, 107.6792



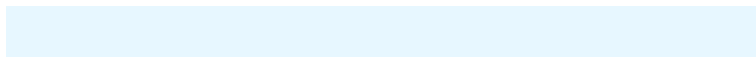
89.8912, 90.7305, 99.3996



84.6286, 90.7305, 89.8320

Complementary

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



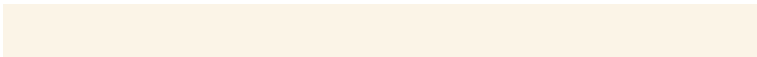
84.2658, 90.7305, 107.6792



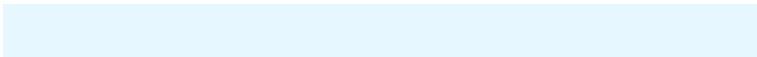
86.5296, 88.7607, 88.1748

Split Complementary

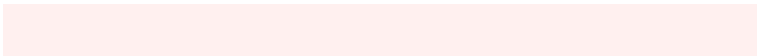
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.4492, 90.7305, 88.8233



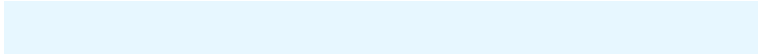
84.2658, 90.7305, 107.6792



89.5046, 90.7305, 94.2279

Square

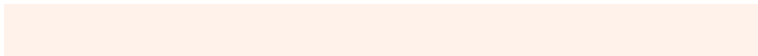
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



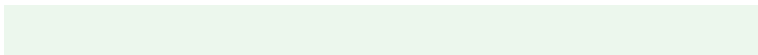
84.2658, 90.7305, 107.6792



89.2870, 90.7305, 104.5878



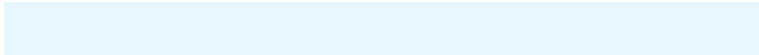
88.2379, 90.7305, 90.4042



83.2565, 90.7305, 93.2107

Rectangle

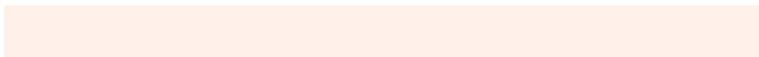
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.2658, 90.7305, 107.6792



87.2739, 90.7305, 109.0326



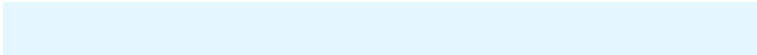
88.2379, 90.7305, 90.4042



85.2076, 90.7305, 89.2100

Sweetspot

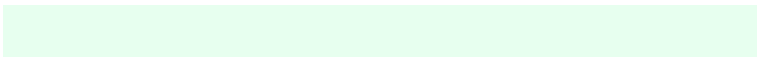
The Sweet Spot groups the original color and five complimentary colors.



84.2682, 90.7342, 107.6798



91.4837, 96.9626, 108.5017



84.2369, 94.7178, 95.1956



19.3817, 20.5831, 23.2014



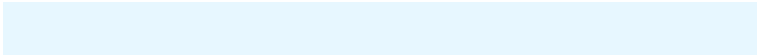
0.0000, 0.0000, 0.0000



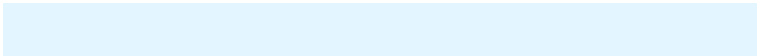
20.3446, 21.4041, 23.3091

Same Dimension

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



84.2682, 90.7342, 107.6798



82.5639, 89.2450, 107.4822



80.8292, 83.8563, 106.5335



18.0152, 19.4020, 23.0454



17.0906, 19.0908, 52.2187



1.7646, 2.0599, 5.1179

Inverse Universe

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



86.6059, 85.1288, 99.8670



85.2771, 82.8035, 98.4000



90.0366, 95.7746, 89.3438



18.5203, 18.1914, 21.3571



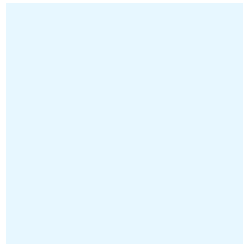
25.4147, 12.6552, 21.3663



2.5253, 1.2525, 2.3476

Previews

White Background



This preview shows how the XYZ color 84.2658, 90.7305, 107.6792 looks on a white background.

Color Contrast Check

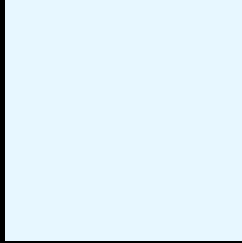
Large Text (above 18pt) WCAG AA × Fail

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 84.2658, 90.7305, 107.6792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

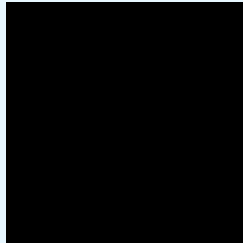
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

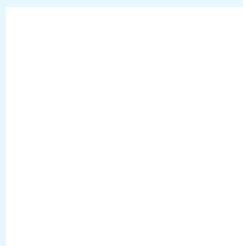
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.2658, 90.7305, 107.6792

Background



This preview shows how black text looks on a background with the XYZ color 84.2658, 90.7305, 107.6792.



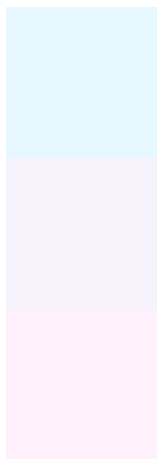
This preview shows how white text looks on a background with the XYZ color 84.2658, 90.7305,

107.6792.

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

84.2658, 90.7305, 107.6792

Protanopia

87.6273, 90.7223, 104.9882

Deuteranopia

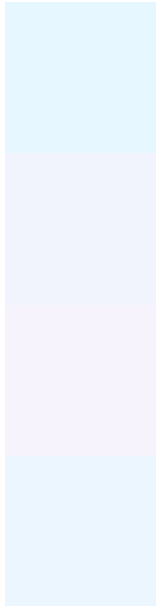
89.9708, 90.6085, 104.8427



Tritanopia

85.9623, 90.7020, 107.5843

Trichromacy



Original Color

84.2658, 90.7305, 107.6792

Protanomaly

86.3559, 90.4940, 105.8441

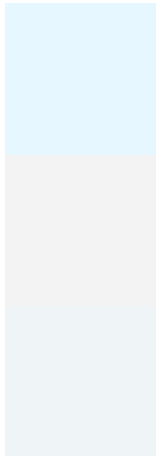
Deuteranomaly

87.7863, 90.7859, 105.8251

Tritanomaly

85.2667, 90.7937, 107.6386

Monochromacy



Original Color

84.2658, 90.7305, 107.6792

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.7358, 89.7675, 100.8565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.2658, 90.7305, 107.6792 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(231, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 247, 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(231, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 247, 255) }
```

Border

The CSS property to change the border of an element to XYZ 84.2658, 90.7305, 107.6792 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(231, 247, 255) }
```


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

```
.border{ border-color:rgb(231, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 247,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 84.2658, 90.7305, 107.6792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 247, 255) }
```

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

```
.background{ background-color: rgb(231,  
247, 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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