

Converting Colors

XYZ(85.6588, 91.7457,
111.0601)

Have a look what the booklet for
XYZ(85.6588, 91.7457, 111.0601)
contains.

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Color

**XYZ(85.2217, 91.6784,
107.8118)**

Conversions

Conversions Part 1

Format	Color
Hex	E9F8FF
RGB	233, 248, 255
RGB Percent	91%, 97%, 100%
CMY	0.0863, 0.0274, 0.0000
CMYK	0.09, 0.03, 0.00, 0.00
HSL	199°, 100%, 96%
HSV	199°, 9%, 100%
XYZ	85.2217, 91.6784, 107.8118
YIQ	244.3130, -11.1870, -1.0030

Conversions

Conversions Part 2

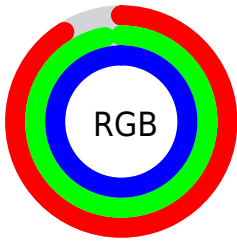
Format	Color
R _Y B	233, 242, 255
Decimal	15333631
CIE Lab	96.69, -3.59, -5.05
CIE LCh	97, 6.195, 234.626
Yxy	91.6784, 0.2993, 0.3220
Android (android.graphics.Color)	4293523711 (0xFFE9F8FF)
YUV	244.3130, 5.2687, -9.9215
Hunter-Lab	95.7488, -8.6857, 0.2645

Details

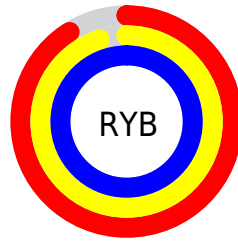
The XYZ color **85.2217, 91.6784, 107.8118** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.1075, 89.4616, 89.7692**, and the grayscale version is **86.2073, 90.6967, 98.7688**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1741, 51.1236, 60.8076** is the 20% darker color. If you saturate the color by 10%, you get **75.0525, 82.8175, 106.6374**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

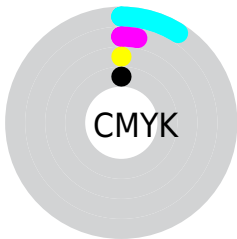
Distribution



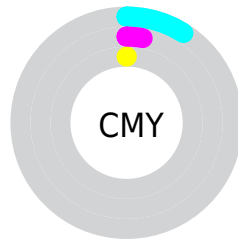
- Red (91%)
- Green (97%)
- Blue (100%)



- 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 85.2217, 91.6784, 107.8118 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 85.2217, 91.6784, 107.8118 by changing the saturation by 10% instead.

85.2217, 91.6784,
107.8118

85.2217, 91.6784,
107.8118

500.8340,
533.4756, 606.4174

64.3477, 69.3735,
82.1872

139.5953,
149.6676, 173.9968

47.1951, 51.0160,
60.9831

173.8256,
186.1207, 215.3944

33.3985, 36.2213,
43.7811

213.2387,
228.0587, 262.8866

22.5926, 24.6052,
30.1625

258.2000,
275.8660, 316.8921

14.4120, 15.7831,
19.7089

309.0749,
329.9269, 377.8294

8.4914, 9.3708,
12.0016

366.2286,

4.4654, 4.9838,

390.6259, 446.1170

6.6222

430.0265,
458.3473, 522.1735

■ 1.9686, 2.2378,
3.1522

■ 0.6163, 0.7405,
1.1728

■ 85.2217, 91.6784,
107.8118

■ 85.2217, 91.6784,
107.8118

■ 75.0525, 82.8175,
106.6374

95.0500, 100.0000,
108.9000

■ 66.1392, 74.7599,
105.5519

■ 58.4277, 67.4780,
104.5528

■ 51.8569, 60.9385,
103.6369

■ 46.3604, 55.1048,
102.8006

■ 41.8639, 49.9366,
102.0400

■ 38.2834, 45.3881,
101.3508

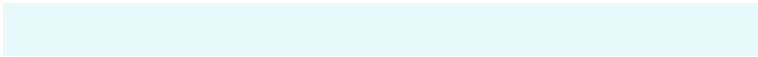
■ 35.5191, 41.4059,
100.7278

■ 33.4300, 37.9149,
100.1641

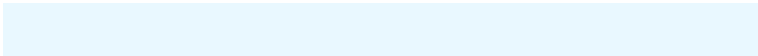
Harmonies

Analogous

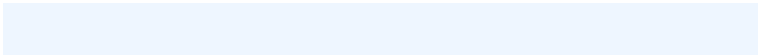
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1418, 91.6784, 103.8539



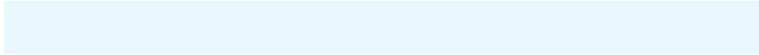
85.2217, 91.6784, 107.8118



86.8257, 91.6784, 109.6334

Triad

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



85.2217, 91.6784, 107.8118



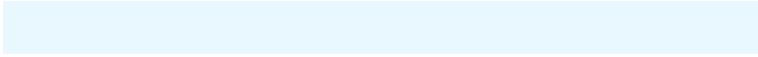
90.4992, 91.6784, 100.7192



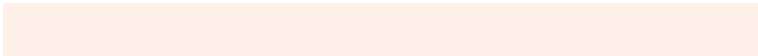
85.7557, 91.6784, 91.3916

Complementary

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



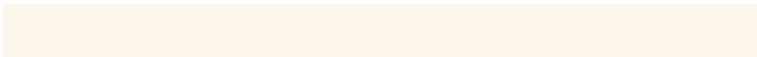
85.2217, 91.6784, 107.8118



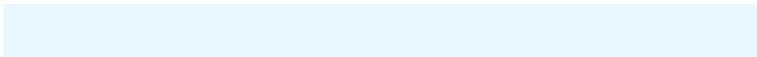
87.1075, 89.4616, 89.7692

Split Complementary

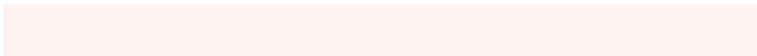
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4502, 91.6784, 90.6146



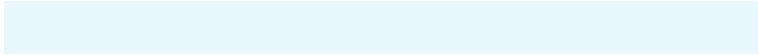
85.2217, 91.6784, 107.8118



90.2036, 91.6784, 95.8962

Square

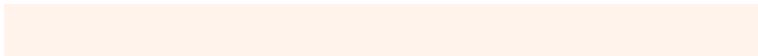
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.2217, 91.6784, 107.8118



89.8844, 91.6784, 105.4525



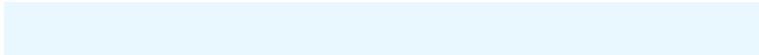
89.0819, 91.6784, 92.2374



84.4473, 91.6784, 94.3960

Rectangle

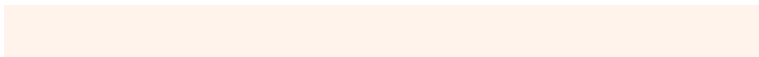
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.2217, 91.6784, 107.8118



87.9821, 91.6784, 109.3489



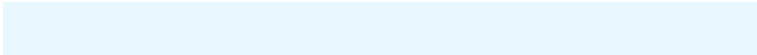
89.0819, 91.6784, 92.2374



86.2985, 91.6784, 90.8655

Sweetspot

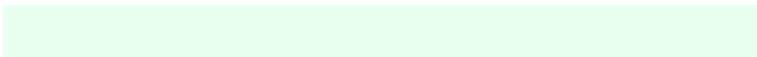
The Sweet Spot groups the original color and five complimentary colors.



85.2241, 91.6821, 107.8124



91.5202, 97.0357, 108.5139



85.0885, 95.1334, 96.2913



19.3916, 20.6028, 23.2046



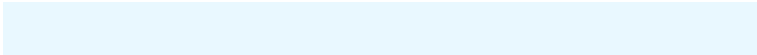
0.0000, 0.0000, 0.0000



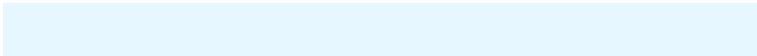
20.3446, 21.4041, 23.3091

Same Dimension

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



85.2241, 91.6821, 107.8124



83.7506, 90.4158, 107.6456



81.9494, 85.1328, 106.7208



18.0392, 19.4501, 23.0534



17.4726, 19.8548, 52.3460



1.7997, 2.1302, 5.1296

Inverse Universe

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



87.3237, 86.3167, 100.8697



86.1697, 84.2844, 99.6351



90.4352, 96.1171, 90.8785



18.5325, 18.1963, 21.4210



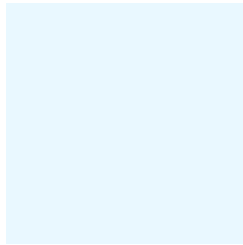
25.6076, 12.7323, 22.3817



2.5430, 1.2596, 2.4410

Previews

White Background



This preview shows how the XYZ color 85.2217, 91.6784, 107.8118 looks on a white background.

Color Contrast Check

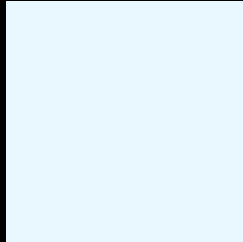
Large Text (above 18pt) WCAG AA × Fail

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 85.2217, 91.6784, 107.8118 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

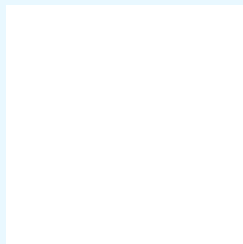
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.2217, 91.6784, 107.8118

Background



This preview shows how black text looks on a background with the XYZ color 85.2217, 91.6784, 107.8118.



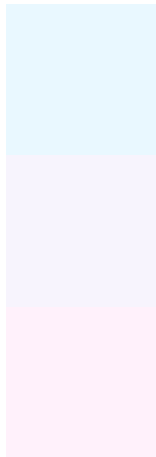
This preview shows how white text looks on a background with the XYZ color 85.2217, 91.6784,

107.8118.

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

85.2217, 91.6784, 107.8118

Protanopia

88.4381, 91.5674, 105.9416

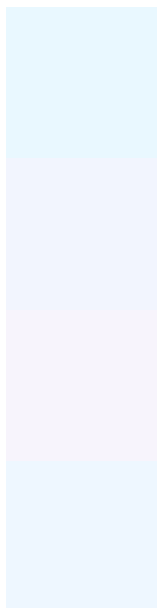
Deuteranopia

90.1079, 91.1356, 104.1085

Tritanopia

87.2814, 91.8323, 107.7329

Trichromacy



Original Color

85.2217, 91.6784, 107.8118

Protanomaly

87.1598, 91.3378, 106.8021

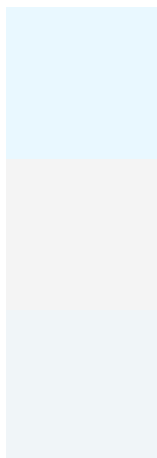
Deuteranomaly

88.2791, 91.5038, 105.1047

Tritanomaly

86.5707, 91.9187, 107.7871

Monochromacy



Original Color

85.2217, 91.6784, 107.8118

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.5309, 90.6074, 101.7880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.2217, 91.6784, 107.8118 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, 248, 255) looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 85.2217, 91.6784, 107.8118 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, 248, 255) }
```


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

```
.border{ border-color:rgb(233, 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(233, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 85.2217, 91.6784, 107.8118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 248, 255) }
```

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

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