

Converting Colors

XYZ(85.3408, 91.9943,
107.8665)

Have a look what the booklet for
XYZ(85.3408, 91.9943, 107.8665)
contains.

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Color

**XYZ(85.5300, 92.2950,
107.9145)**

Conversions

Conversions Part 1

Format	Color
Hex	E9F9FF
RGB	233, 249, 255
RGB Percent	91%, 98%, 100%
CMY	0.0863, 0.0235, 0.0000
CMYK	0.09, 0.02, 0.00, 0.00
HSL	196°, 100%, 96%
HSV	196°, 9%, 100%
XYZ	85.5300, 92.2950, 107.9145
YIQ	244.9000, -11.4620, -1.5260

Conversions

Conversions Part 2

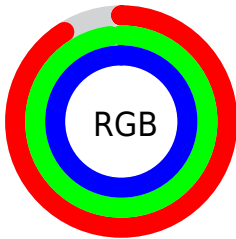
Format	Color
R _Y B	233, 242, 255
Decimal	15333887
CIE Lab	96.94, -4.09, -4.68
CIE LCh	97, 6.217, 228.833
Yxy	92.2950, 0.2993, 0.3230
Android (android.graphics.Color)	4293523967 (0xFFE9F9FF)
YUV	244.9000, 4.9793, -10.4363
Hunter-Lab	96.0703, -9.2070, 0.6495

Details

The XYZ color **85.5300, 92.2950, 107.9145** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.8139, 88.8745, 89.6714**, and the grayscale version is **86.6806, 91.1948, 99.3111**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3945, 51.5643, 60.8810** is the 20% darker color. If you saturate the color by 10%, you get **75.6917, 84.0958, 106.8505**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

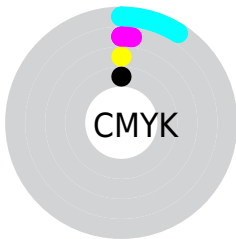
Distribution



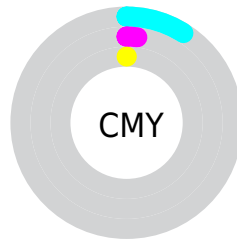
- Red (91%)
- Green (98%)
- Blue (100%)



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



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.5300, 92.2950, 107.9145 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 85.5300, 92.2950, 107.9145 by changing the saturation by 10% instead.


 85.5300, 92.2950,
107.9145

 85.5300, 92.2950,
107.9145


501.8375,
535.4685, 606.7422

 64.6034, 69.8857,
82.2729


140.0236,
150.5222, 174.1381

 47.4030, 51.4333,
61.0534


174.3213,
187.1088, 215.5573

 33.5637, 36.5536,
43.8374

213.8068,
229.1901, 263.0726

 22.7199, 24.8620,
30.2065

258.8453,
277.1502, 317.1028

 14.5064, 15.9743,
19.7420

309.8023,
331.3738, 378.0663

 8.5577, 9.5060,
12.0254

367.0431,

 4.5086, 5.0727,

392.2451, 446.3817

6.6382

430.9330,
460.1485, 522.4674

■ 1.9937, 2.2900,
3.1619

■ 0.6304, 0.7684,
1.1779

■ 85.5300, 92.2950,
107.9145

■ 85.5300, 92.2950,
107.9145

■ 75.6917, 84.0958,
106.8505

95.0500, 100.0000,
108.9000

■ 67.0811, 76.6437,
105.8659

■ 59.6448, 69.9123,
104.9586

■ 53.3223, 63.8693,
104.1254

■ 48.0475, 58.4791,
103.3630

■ 43.7470, 53.7026,
102.6677

■ 40.3369, 49.4952,
102.0353

■ 37.7184, 45.8046,
101.4609

■ 35.7509, 42.5568,
100.9377

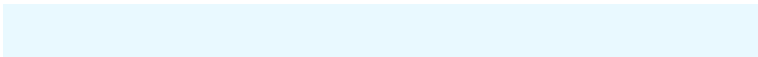
Harmonies

Analogous

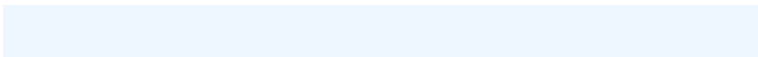
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5812, 92.2950, 103.6327



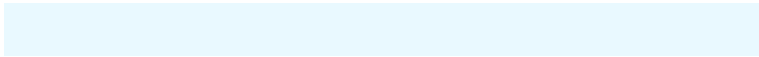
85.5300, 92.2950, 107.9145



87.0744, 92.2950, 110.2349

Triad

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



85.5300, 92.2950, 107.9145



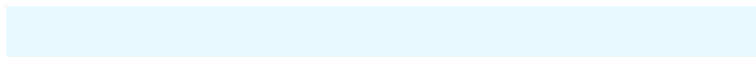
91.0621, 92.2950, 102.3691



86.6432, 92.2950, 91.6566

Complementary

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



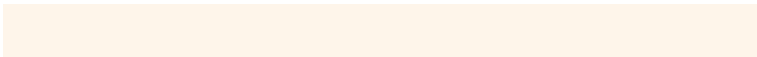
85.5300, 92.2950, 107.9145



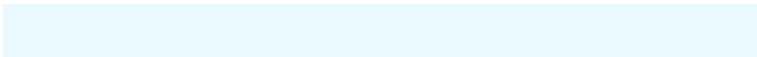
86.8139, 88.8745, 89.6714

Split Complementary

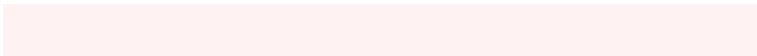
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.3761, 92.2950, 91.3438



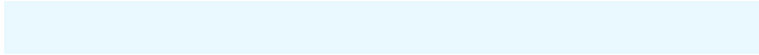
85.5300, 92.2950, 107.9145



90.9430, 92.2950, 97.4185

Square

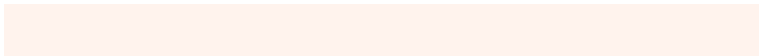
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



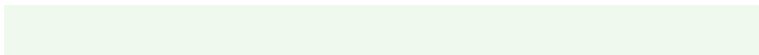
85.5300, 92.2950, 107.9145



90.2779, 92.2950, 106.9631



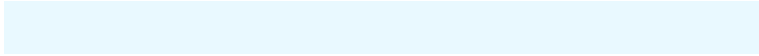
89.9544, 92.2950, 93.4209



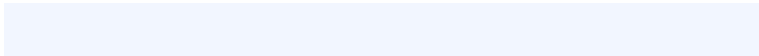
85.2180, 92.2950, 94.2903

Rectangle

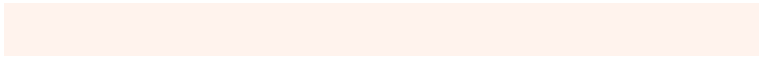
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.5300, 92.2950, 107.9145



88.2407, 92.2950, 110.3073



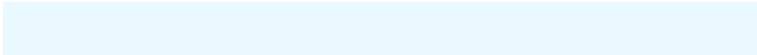
89.9544, 92.2950, 93.4209



87.2086, 92.2950, 91.2799

Sweetspot

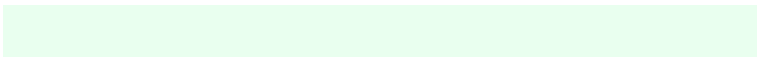
The Sweet Spot groups the original color and five complimentary colors.



85.5324, 92.2988, 107.9151



91.6299, 97.2550, 108.5504



84.9256, 95.0682, 95.4334



19.4212, 20.6621, 23.2145



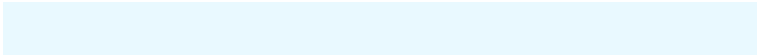
0.0000, 0.0000, 0.0000



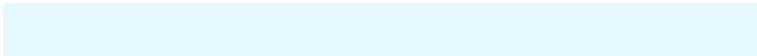
20.3446, 21.4041, 23.3091

Same Dimension

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



85.5324, 92.2988, 107.9151



84.1060, 91.1266, 107.7641



82.2689, 85.7718, 106.8273



18.1117, 19.5950, 23.0776



18.6834, 22.2764, 52.7496



1.9101, 2.3510, 5.1664

Inverse Universe

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



87.4793, 86.3790, 101.6892



86.3491, 84.3562, 100.5798



90.0927, 95.4320, 90.7643



18.5690, 18.2109, 21.6136



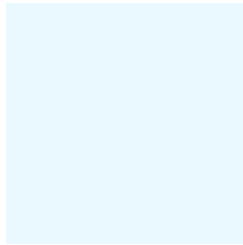
26.2187, 12.9768, 25.6000



2.5988, 1.2819, 2.7344

Previews

White Background



This preview shows how the XYZ color 85.5300, 92.2950, 107.9145 looks on a white background.

Color Contrast Check

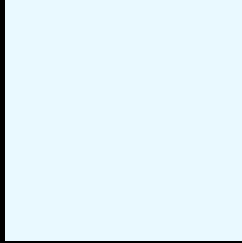
Large Text (above 18pt) WCAG AA × Fail

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 85.5300, 92.2950, 107.9145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

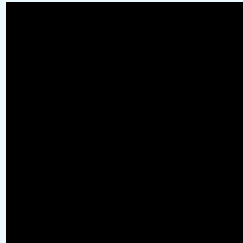
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

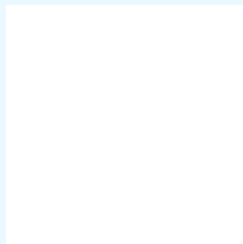
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.5300, 92.2950, 107.9145

Background



This preview shows how black text looks on a background with the XYZ color 85.5300, 92.2950, 107.9145.

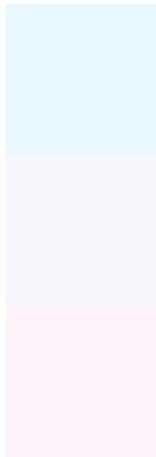


This preview shows how white text looks on a background with the XYZ color 85.5300, 92.2950,

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

85.5300, 92.2950, 107.9145

Protanopia

88.9345, 92.2895, 105.2218

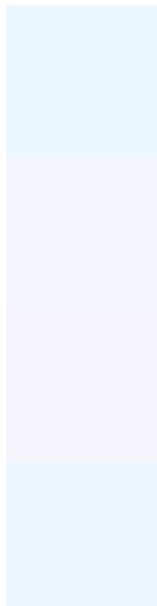
Deuteranopia

90.7032, 92.3262, 104.3070

Tritanopia

87.2814, 91.8323, 107.7329

Trichromacy



Original Color

85.5300, 92.2950, 107.9145

Protanomaly

87.6475, 92.0581, 106.0780

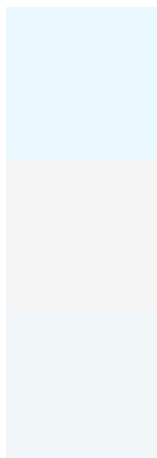
Deuteranomaly

88.5809, 92.1072, 105.2052

Tritanomaly

86.5707, 91.9187, 107.7871

Monochromacy



Original Color

85.5300, 92.2950, 107.9145

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 85.5300, 92.2950, 107.9145 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, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 249, 255) }
```

Border

The CSS property to change the border of an element to XYZ 85.5300, 92.2950, 107.9145 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, 249, 255) }
```


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

```
.border{ border-color:rgb(233, 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(233, 249, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 249,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 85.5300, 92.2950, 107.9145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 249, 255) }
```

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

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