

Converting Colors

XYZ(88.0067, 100.0000,
104.4905)

Have a look what the booklet for
XYZ(88.0067, 100.0000, 104.4905)
contains.

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Color

**XYZ(85.4920, 95.1825,
103.4887)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FFF9
RGB	230, 255, 249
RGB Percent	90%, 100%, 98%
CMY	0.0980, 0.0000, 0.0235
CMYK	0.10, 0.00, 0.02, 0.00
HSL	166°, 100%, 95%
HSV	166°, 10%, 100%
XYZ	85.4920, 95.1825, 103.4887
YIQ	246.8410, -12.9740, -7.1660

Conversions

Conversions Part 2

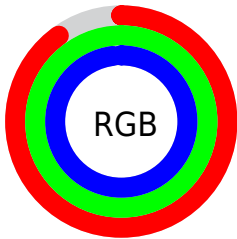
Format	Color
R _Y B	230, 244, 255
Decimal	15138809
CIE Lab	98.11, -9.19, 0.09
CIE LCh	98, 9.189, 179.412
Yxy	95.1825, 0.3009, 0.3350
Android (android.graphics.Color)	4293328889 (0xFFE6FFF9)
YUV	246.8410, 1.0644, -14.7696
Hunter-Lab	97.5615, -14.3152, 5.4010

Details

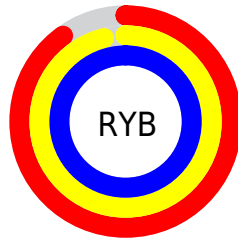
The XYZ color **85.4920, 95.1825, 103.4887** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84.6777, 83.9109, 91.0905**, and the grayscale version is **88.2777, 92.8750, 101.1409**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.2753, 53.2371, 58.2362** is the 20% darker color. If you saturate the color by 10%, you get **76.9597, 90.8924, 98.1893**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

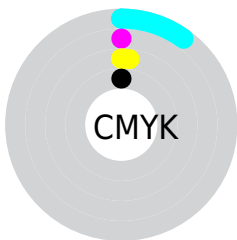
Distribution



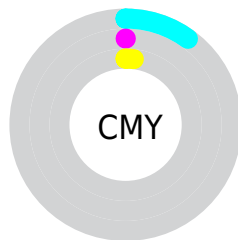
- Red (90%)
- Green (100%)
- Blue (98%)



- Red (90%)
- Yellow (96%)
- Blue (100%)



- Cyan (10%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.4920, 95.1825, 103.4887 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 85.4920, 95.1825, 103.4887 by changing the saturation by 10% instead.


 85.4920, 95.1825,
103.4887

 85.4920, 95.1825,
103.4887

501.7138,
544.7491, 592.6627

 64.5718, 72.2869,
78.5842


139.9709,
154.5167, 168.0368

 47.3774, 53.3931,
58.0347


174.2603,
191.7241, 208.5175

 33.5433, 38.1166,
41.4217


213.7368,
234.4708, 255.0273

 22.7042, 26.0732,
28.3265

258.7658,
283.1414, 307.9849

 14.4947, 16.8784,
18.3308

309.7127,
338.1201, 367.8086

 8.5495, 10.1479,
11.0158

366.9427,

 4.5033, 5.4971,

399.7913, 434.9172

5.9632

430.8213,
468.5395, 509.7290

■ 1.9906, 2.5418,
2.7543

■ 0.6287, 0.8975,
0.9706

■ 85.4920, 95.1825,
103.4887

■ 85.4920, 95.1825,
103.4887

■ 76.9597, 90.8924,
98.1893

95.0500, 100.0000,
108.9000

■ 69.6025, 87.2046,
93.1043

■ 63.3657, 84.0908,
88.2308

■ 58.1886, 81.5198,
83.5646

■ 54.0050, 79.4576,
79.1009

■ 50.7410, 77.8660,
74.8346

■ 48.3121, 76.7015,
70.7603

■ 46.6175, 75.9122,
66.8714

■ 45.4965, 75.4153,
63.1588

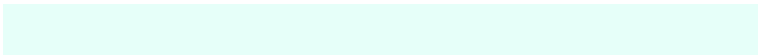
Harmonies

Analogous

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



86.1730, 95.1825, 96.4224



85.4920, 95.1825, 103.4887



86.1226, 95.1825, 110.9338

Triad

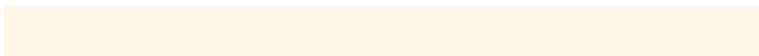
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.4920, 95.1825, 103.4887



92.9811, 95.1825, 116.8091



93.0729, 95.1825, 91.6325

Complementary

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



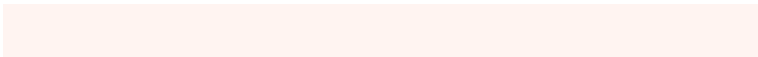
85.4920, 95.1825, 103.4887



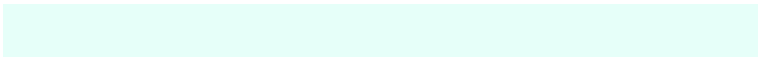
84.6777, 83.9109, 91.0905

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.



94.9573, 95.1825, 96.6685



85.4920, 95.1825, 103.4887



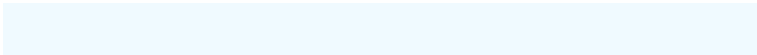
94.9036, 95.1825, 111.2039

Square

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



85.4920, 95.1825, 103.4887



90.4161, 95.1825, 118.8471



95.6337, 95.1825, 103.7866



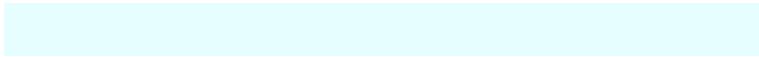
90.5201, 95.1825, 89.7844

Rectangle

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



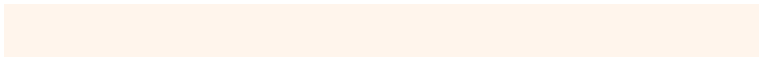
85.4920, 95.1825, 103.4887



87.2091, 95.1825, 115.0612



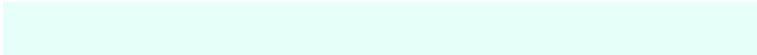
95.6337, 95.1825, 103.7866



93.8073, 95.1825, 92.9962

Sweetspot

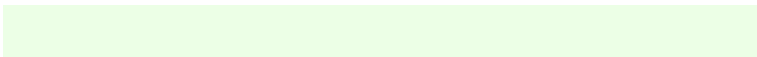
The Sweet Spot groups the original color and five complimentary colors.



85.4929, 95.1830, 103.4902



91.9972, 98.4602, 107.2218



84.7189, 95.1092, 88.7572



19.5207, 20.9886, 22.8546



0.0000, 0.0000, 0.0000



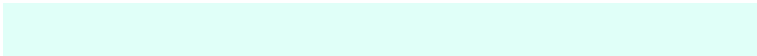
20.3446, 21.4041, 23.3091

Same Dimension

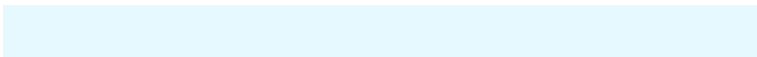
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4929, 95.1830, 103.4902



83.5148, 94.1874, 102.3070



84.4824, 91.6406, 107.8434



18.3575, 20.4025, 22.1858



23.8240, 39.4262, 33.2883



2.3622, 3.8558, 3.4654

Inverse Universe

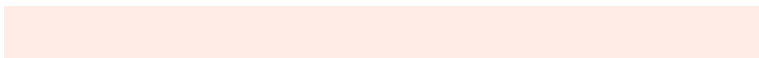
The Inverse Universe completely reimagines the original color for something new.



84.6777, 83.9109, 91.0905



82.5322, 80.5981, 87.3593



85.5911, 87.1091, 87.1670



18.1880, 18.0585, 19.6072



22.0398, 11.3052, 3.5939



2.1865, 1.1170, 0.5635

Previews

White Background



This preview shows how the XYZ color 85.4920, 95.1825, 103.4887 looks on a white background.

Color Contrast Check

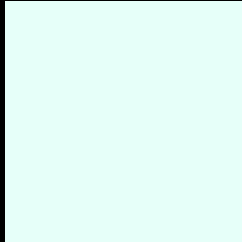
Large Text (above 18pt) WCAG AA × Fail

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 85.4920, 95.1825, 103.4887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

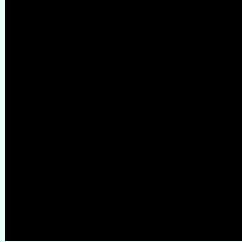
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

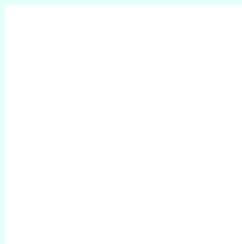
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.4920, 95.1825, 103.4887

Background



This preview shows how black text looks on a background with the XYZ color 85.4920, 95.1825, 103.4887.



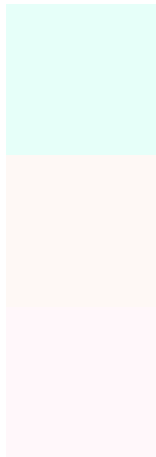
This preview shows how white text looks on a background with the XYZ color 85.4920, 95.1825,

103.4887.

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

85.4920, 95.1825, 103.4887

Protanopia

90.9219, 94.7982, 99.8920

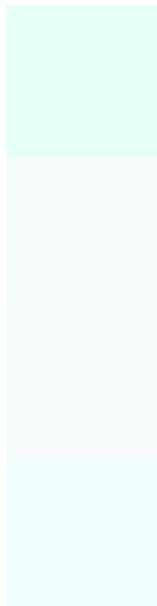
Deuteranopia

91.7561, 94.6837, 103.8822

Tritanopia

90.2416, 95.1840, 108.2239

Trichromacy



Original Color

85.4920, 95.1825, 103.4887

Protanomaly

88.7879, 95.0607, 100.8577

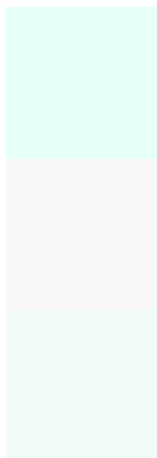
Deuteranomaly

89.4470, 94.8662, 104.0391

Tritanomaly

88.4752, 95.2379, 106.6481

Monochromacy



Original Color

85.4920, 95.1825, 103.4887

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

87.4045, 93.8493, 102.3150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.4920, 95.1825, 103.4887 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(230, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 249)  
}
```

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(230, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 249) }
```

Border

The CSS property to change the border of an element to XYZ 85.4920, 95.1825, 103.4887 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(230, 255, 249) }
```


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

```
.border{ border-color:rgb(230, 255, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 255, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 255, 249); box-shadow:4px 4px 4px 4px rgb(230, 255, 249) }
```

Background

The CSS property to change the background color of an element to XYZ 85.4920, 95.1825, 103.4887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 249) }
```

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

```
.background{ background-color: rgb(230,  
255, 249) }
```

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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