

Converting Colors

XYZ(74.1252, 99.7980, 95.4288)

Have a look what the booklet for
XYZ(74.1252, 99.7980, 95.4288)
contains.

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Color

**XYZ(67.1945, 85.9593,
93.1710)**

Conversions

Conversions Part 1

Format	Color
Hex	A8FFED
RGB	168, 255, 237
RGB Percent	66%, 100%, 93%
CMY	0.3412, 0.0000, 0.0706
CMYK	0.34, 0.00, 0.07, 0.00
HSL	168°, 100%, 83%
HSV	168°, 34%, 100%
XYZ	67.1945, 85.9593, 93.1710
YIQ	226.9350, -46.0740, -24.0420

Conversions

Conversions Part 2

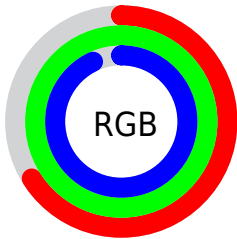
Format	Color
RYB	168, 217, 255
Decimal	11075565
CIELab	94.29, -29.99, 0.29
CIELCh	94, 29.992, 179.451
Yxy	85.9593, 0.2728, 0.3490
Android (android.graphics.Color)	4289265645 (0xFFA8FFED)
YUV	226.9350, 4.9620, -51.6860
Hunter-Lab	92.7142, -32.8823, 5.3179

Details

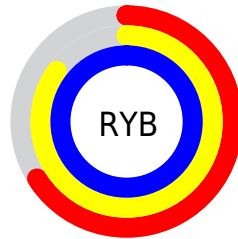
The XYZ color **67.1945, 85.9593, 93.1710** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.1062, 52.8116, 53.2699**, and the grayscale version is **72.9554, 76.7548, 83.5860**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **35.2167, 47.1691, 50.9645** is the 20% darker color. If you saturate the color by 10%, you get **61.5285, 83.1260, 88.9423**, and if you desaturate by 10%, it is **73.9495, 89.3512, 97.5719**.

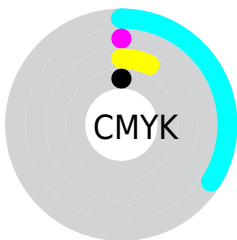
Distribution



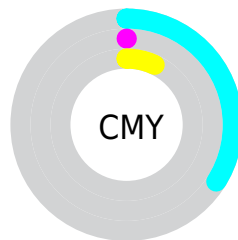
- Red (66%)
- Green (100%)
- Blue (93%)



- Red (66%)
- Yellow (85%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.1945, 85.9593, 93.1710 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 67.1945, 85.9593, 93.1710 by changing the saturation by 10% instead.


 67.1945, 85.9593,
93.1710

 67.1945, 85.9593,
93.1710


440.0584,
514.7970, 559.1270

 49.5140, 64.6343,
70.0252


 114.2473,
141.7127, 153.7091

 35.2436, 47.1646,
51.0701


144.3503,
176.9099, 191.9384

 24.0180, 33.1658,
35.8873

179.3249,
217.5000, 236.0327

 15.4718, 22.2535,
24.0582

219.5364,
263.8673, 286.4105

 9.2396, 14.0433,
15.1642

265.3501,
316.3962, 343.4902

 4.9562, 8.1508,
8.7868

317.1314,

 2.2561, 4.1916,

375.4713, 407.6905

4.5075

375.2458,
441.4767, 479.4299

0.7720, 1.7813,
1.9077

0.0000, 0.4755,
0.4976

67.1945, 85.9593,
93.1710

67.1945, 85.9593,
93.1710

61.5285, 83.1260,
88.9423

73.9495, 89.3512,
97.5719

56.8859, 80.8179,
84.8774

81.8483, 93.3301,
102.1443

53.1987, 78.9996,
80.9737

90.9453, 97.9241,
106.8931

50.3887, 77.6310,
77.2263

95.0500, 100.0000,
108.9000

■ 48.3656, 76.6656,
73.6301

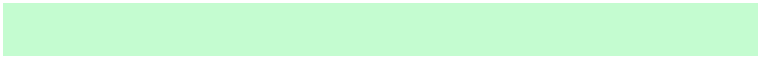
■ 47.0186, 76.0462,
70.1788

■ 46.4497, 75.7959,
68.2111

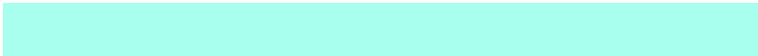
Harmonies

Analogous

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



69.0957, 85.9593, 72.8423



67.1945, 85.9593, 93.1710



68.9631, 85.9593, 117.1005

Triad

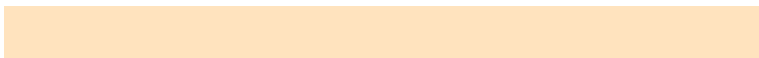
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.1945, 85.9593, 93.1710



89.5426, 85.9593, 137.6955



89.8159, 85.9593, 60.4032

Complementary

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



67.1945, 85.9593, 93.1710



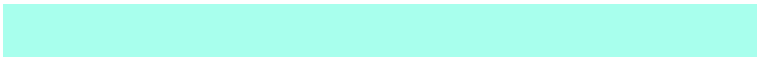
64.1062, 52.8116, 53.2699

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.



95.9197, 85.9593, 73.4664



67.1945, 85.9593, 93.1710



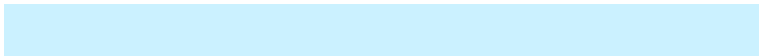
95.7548, 85.9593, 117.9567

Square

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



67.1945, 85.9593, 93.1710



81.5535, 85.9593, 145.2283



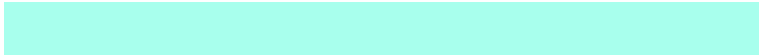
98.1598, 85.9593, 94.0204



81.8501, 85.9593, 55.9293

Rectangle

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



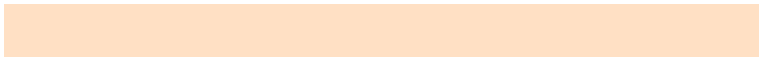
67.1945, 85.9593, 93.1710



72.0559, 85.9593, 131.4380



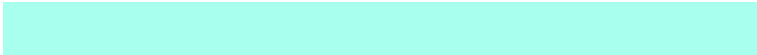
98.1598, 85.9593, 94.0204



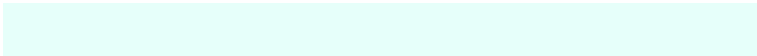
92.1721, 85.9593, 63.8172

Sweetspot

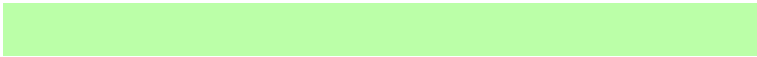
The Sweet Spot groups the original color and five complimentary colors.



67.1954, 85.9597, 93.1725



85.4450, 95.1452, 104.0776



63.2856, 84.8934, 50.0978



18.0210, 20.2298, 22.1349



0.0000, 0.0000, 0.0000



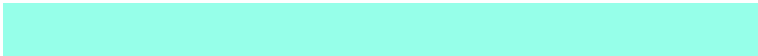
20.3446, 21.4041, 23.3091

Same Dimension

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



67.1954, 85.9597, 93.1725



63.1816, 83.9512, 90.2427



62.5936, 72.3343, 105.2706



18.3844, 20.4133, 22.3271



24.3270, 39.6274, 35.9368



2.4072, 3.8738, 3.7023

Inverse Universe

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



64.1062, 52.8116, 53.2699



59.6723, 46.1982, 44.8419



67.3013, 62.0736, 45.4815



18.1631, 18.0485, 19.4758



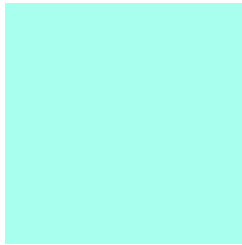
21.9245, 11.2591, 2.9867



2.1720, 1.1112, 0.4872

Previews

White Background



This preview shows how the XYZ color 67.1945, 85.9593, 93.1710 looks on a white background.

Color Contrast Check

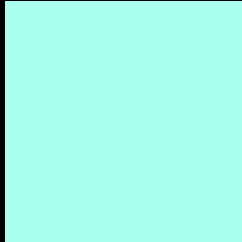
Large Text (above 18pt) WCAG AA × Fail

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 67.1945, 85.9593, 93.1710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

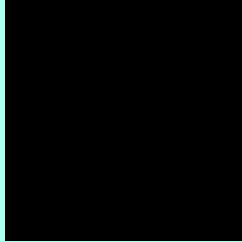
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.1945, 85.9593, 93.1710

Background



This preview shows how black text looks on a background with the XYZ color 67.1945, 85.9593, 93.1710.

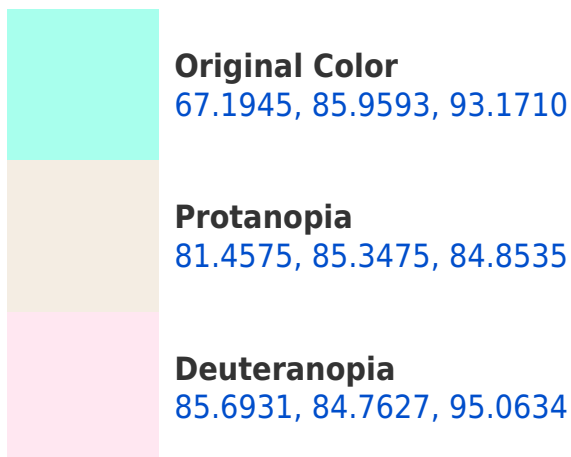


This preview shows how white text looks on a background with the XYZ color 67.1945, 85.9593,

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

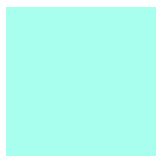




Tritanopia

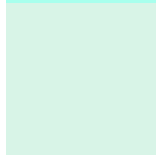
76.6952, 85.4767, 107.0641

Trichromacy



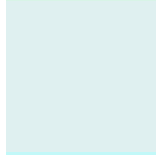
Original Color

67.1945, 85.9593, 93.1710



Protanomaly

75.0934, 85.0698, 88.0636



Deuteranomaly

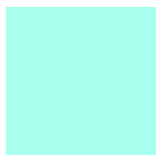
77.3197, 84.2994, 94.6343



Tritanomaly

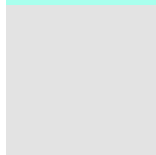
72.7588, 85.3814, 101.4524

Monochromacy



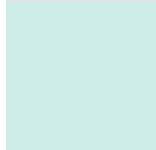
Original Color

67.1945, 85.9593, 93.1710



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.1616, 79.4597, 87.2407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1945, 85.9593, 93.1710 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(168, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 237)  
}
```

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(168, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 237) }
```

Border

The CSS property to change the border of an element to XYZ 67.1945, 85.9593, 93.1710 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(168, 255, 237) }
```


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

```
.border{ border-color:rgb(168, 255, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1945, 85.9593, 93.1710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 237) }
```

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

```
.background{ background-color: rgb(168,  
255, 237) }
```

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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