

Converting Colors

XYZ(66.8832, 85.7859, 93.7357)

Have a look what the booklet for
XYZ(66.8832, 85.7859, 93.7357)
contains.

XYZ(66.9185, 85.8000, 93.9230)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(66.9185, 85.8000,
93.9230)**

Conversions

Conversions Part 1

Format	Color
Hex	A6FFEE
RGB	166, 255, 238
RGB Percent	65%, 100%, 93%
CMY	0.3490, 0.0000, 0.0667
CMYK	0.35, 0.00, 0.07, 0.00
HSL	169°, 100%, 83%
HSV	169°, 35%, 100%
XYZ	66.9185, 85.8000, 93.9230
YIQ	226.4510, -47.5870, -24.1550

Conversions

Conversions Part 2

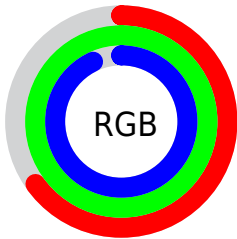
Format	Color
RYB	166, 215, 255
Decimal	10944494
CIELab	94.23, -30.31, -0.34
CIELCh	94, 30.309, 180.642
Yxy	85.8000, 0.2713, 0.3479
Android (android.graphics.Color)	4289134574 (0xFFA6FFEE)
YUV	226.4510, 5.6937, -53.0155
Hunter-Lab	92.6283, -33.1437, 4.7211

Details

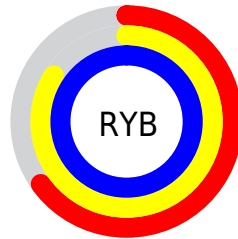
The XYZ color **66.9185, 85.8000, 93.9230** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **63.4242, 51.9526, 51.4856**, and the grayscale version is **72.5999, 76.3808, 83.1787**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **35.0680, 47.0806, 51.4951** is the 20% darker color. If you saturate the color by 10%, you get **61.3870, 83.0300, 89.9802**, and if you desaturate by 10%, it is **73.5311, 89.1251, 98.0203**.

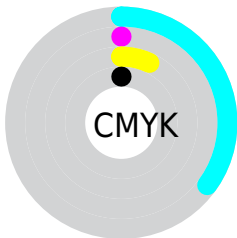
Distribution



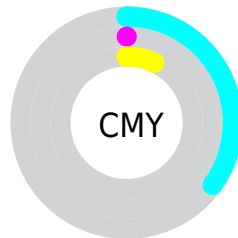
- Red (65%)
- Green (100%)
- Blue (93%)



- Red (65%)
- Yellow (84%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.9185, 85.8000, 93.9230 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 66.9185, 85.8000, 93.9230 by changing the saturation by 10% instead.


 66.9185, 85.8000,
93.9230


 66.9185, 85.8000,
93.9230


439.0917,
514.2715, 561.6073

 49.2889, 64.5026,
70.6470


 113.8541,
141.4904, 154.7586

 35.0641, 47.0579,
51.5741

 143.8907,
176.6521, 193.1553

 23.8790, 33.0814,
36.2858


178.7937,
217.2041, 237.4292

 15.3682, 22.1888,
24.3636

218.9284,
263.5307, 287.9990

 9.1662, 13.9957,
15.3888

264.6602,
316.0164, 345.2832

 4.9077, 8.1177,
8.9431

316.3544,

 2.2274, 4.1703,

375.0455, 409.7002

4.6078

374.3765,
441.0024, 481.6688

■ 0.7571, 1.7693,
1.9643

■ 0.0000, 0.4679,
0.5332

■ 66.9185, 85.8000,
93.9230

■ 66.9185, 85.8000,
93.9230

■ 61.3870, 83.0300,
89.9802

■ 73.5311, 89.1251,
98.0203

■ 56.8705, 80.7810,
86.1838

■ 81.2797, 93.0336,
102.2712

■ 53.3003, 79.0176,
82.5311

■ 90.2190, 97.5537,
106.6804

■ 50.5976, 77.6993,
79.0178

95.0500, 100.0000,
108.9000

■ 48.6709, 76.7789,
75.6386

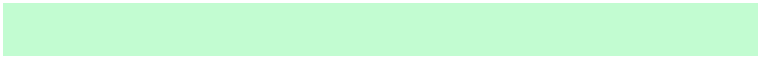
■ 47.4073, 76.1981,
72.3875

■ 46.9365, 75.9906,
70.7748

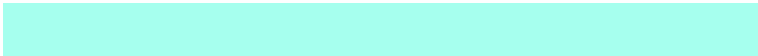
Harmonies

Analogous

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



68.6899, 85.8000, 73.1764



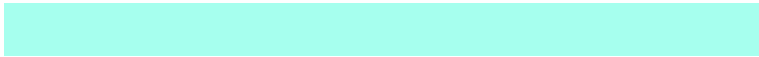
66.9185, 85.8000, 93.9230



68.8459, 85.8000, 118.1044

Triad

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



66.9185, 85.8000, 93.9230



89.7662, 85.8000, 137.3965



89.4439, 85.8000, 59.6286

Complementary

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



66.9185, 85.8000, 93.9230



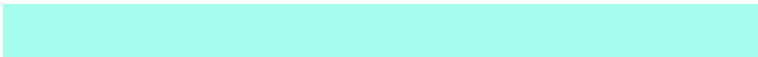
63.4242, 51.9526, 51.4856

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.



95.7288, 85.8000, 72.4423



66.9185, 85.8000, 93.9230



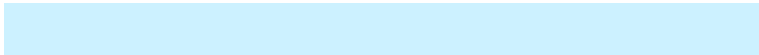
95.9234, 85.8000, 117.0937

Square

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



66.9185, 85.8000, 93.9230



81.7252, 85.8000, 145.6231



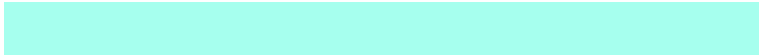
98.1732, 85.8000, 92.9220



81.3757, 85.8000, 55.4755

Rectangle

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



66.9185, 85.8000, 93.9230



72.0478, 85.8000, 132.4184



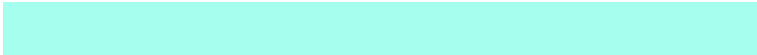
98.1732, 85.8000, 92.9220



91.8537, 85.8000, 62.9481

Sweetspot

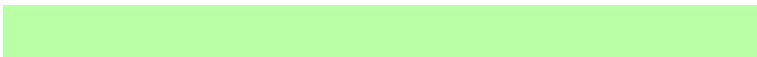
The Sweet Spot groups the original color and five complimentary colors.



66.9195, 85.8005, 93.9245



85.5085, 95.1706, 104.4120



62.3632, 84.4393, 49.0896



18.0364, 20.2360, 22.2162



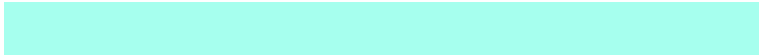
0.0000, 0.0000, 0.0000



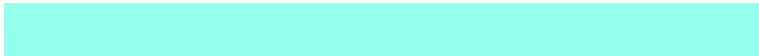
20.3446, 21.4041, 23.3091

Same Dimension

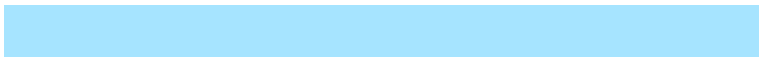
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.9195, 85.8005, 93.9245



62.8843, 83.7784, 91.1089



61.6029, 70.9799, 105.0614



18.3973, 20.4185, 22.3953



24.5784, 39.7280, 37.2608



2.4296, 3.8828, 3.8201

Inverse Universe

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



63.4242, 51.9526, 51.4856



58.9153, 45.2489, 42.8486



67.1275, 62.0218, 44.5114



18.1511, 18.0438, 19.4129



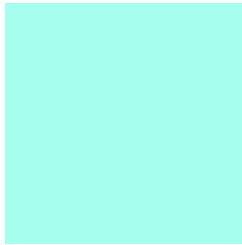
21.8754, 11.2394, 2.7282



2.1656, 1.1086, 0.4533

Previews

White Background



This preview shows how the XYZ color 66.9185, 85.8000, 93.9230 looks on a white background.

Color Contrast Check

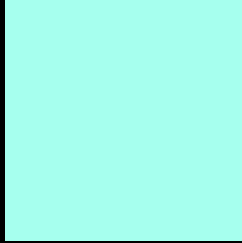
Large Text (above 18pt) WCAG AA × Fail

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 66.9185, 85.8000, 93.9230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

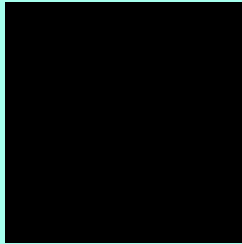
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.9185, 85.8000, 93.9230

Background



This preview shows how black text looks on a background with the XYZ color 66.9185, 85.8000, 93.9230.



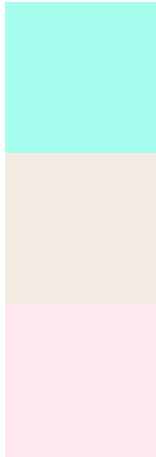
This preview shows how white text looks on a background with the XYZ color 66.9185, 85.8000,

93.9230.

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

66.9185, 85.8000, 93.9230

Protanopia

81.1688, 84.7701, 84.7572

Deuteranopia

85.8429, 84.8226, 95.8524



Tritanopia

76.4131, 85.3313, 107.0509

Trichromacy



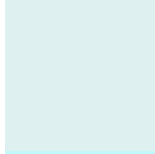
Original Color

66.9185, 85.8000, 93.9230



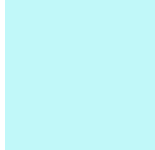
Protanomaly

74.7933, 84.4696, 87.9635



Deuteranomaly

77.4687, 84.3590, 95.4190



Tritanomaly

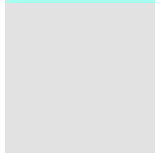
72.6586, 85.3118, 102.2598

Monochromacy



Original Color

66.9185, 85.8000, 93.9230



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.4690, 79.1189, 86.4730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9185, 85.8000, 93.9230 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(166, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(166, 255, 238)  
}
```

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(166, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 238) }
```

Border

The CSS property to change the border of an element to XYZ 66.9185, 85.8000, 93.9230 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(166, 255, 238) }
```


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

```
.border{ border-color:rgb(166, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9185, 85.8000, 93.9230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 255, 238) }
```

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

```
.background{ background-color: rgb(166,  
255, 238) }
```

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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