

Converting Colors

XYZ(68.8099, 89.3271,
104.3581)

Have a look what the booklet for
XYZ(68.8099, 89.3271, 104.3581)
contains.

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Color

**XYZ(66.9199, 85.5902,
103.4360)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 9DFFFA |
| RGB | 157, 255, 250 |
| RGB Percent | 62%, 100%, 98% |
| CMY | 0.3843, 0.0000, 0.0196 |
| CMYK | 0.38, 0.00, 0.02, 0.00 |
| HSL | 177°, 100%, 81% |
| HSV | 177°, 38%, 100% |
| XYZ | 66.9199, 85.5902, 103.4360 |
| YIQ | 225.1280, -56.8030, -22.3310 |

Conversions

Conversions Part 2

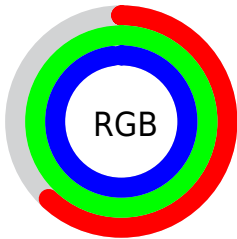
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 157, 207, 255 |
| Decimal | 10354682 |
| CIELab | 94.14, -29.92, -6.72 |
| CIELCh | 94, 30.661, 192.654 |
| Yxy | 85.5902, 0.2615, 0.3344 |
| Android (android.graphics.Color) | 4288544762 (0xFF9DFFFA) |
| YUV | 225.1280, 12.2619, -59.7483 |
| Hunter-Lab | 92.5150, -32.7848, -1.5285 |

Details

The XYZ color **66.9199, 85.5902, 103.4360** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.8194, 47.9840, 40.2924**, and the grayscale version is **71.6041, 75.3331, 82.0377**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **35.0773, 46.9359, 58.2497** is the 20% darker color. If you saturate the color by 10%, you get **62.2506, 83.2065, 102.1579**, and if you desaturate by 10%, it is **72.6309, 88.5107, 104.7731**.

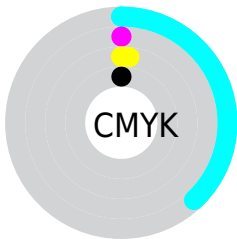
Distribution



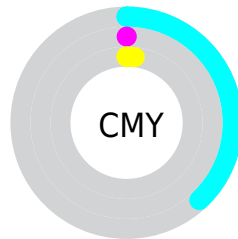
- Red (62%)
- Green (100%)
- Blue (98%)



- Red (62%)
- Yellow (81%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (38%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9199, 85.5902, 103.4360 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 66.9199, 85.5902, 103.4360 by changing the saturation by 10% instead.

66.9199, 85.5902,
103.4360

66.9199, 85.5902,
103.4360

439.0966,
513.5790, 592.4940

49.2900, 64.3292,
78.5404

113.8561,
141.1975, 167.9640

35.0651, 46.9173,
57.9989

143.8930,
176.3125, 208.4334

23.8797, 32.9703,
41.3931

178.7964,
216.8143, 254.9312

15.3687, 22.1037,
28.3043

218.9315,
263.0873, 307.8758

9.1665, 13.9331,
18.3142

264.6637,
315.5159, 367.6859

4.9080, 8.0742,
11.0040

316.3584,

2.2276, 4.1424,

374.4844, 434.7799

5.9553

374.3809,
440.3773, 509.5765

■ 0.7572, 1.7536,
2.7496

■ 0.0000, 0.4580,
0.9682

■ 66.9199, 85.5902,
103.4360

■ 66.9199, 85.5902,
103.4360

■ 62.2506, 83.2065,
102.1579

■ 72.6309, 88.5107,
104.7731

■ 58.5547, 81.3246,
100.9312

■ 79.4399, 91.9970,
106.1675

■ 55.7609, 79.9075,
99.7540

■ 87.4030, 96.0781,
107.6233

■ 53.7866, 78.9127,
98.6225

95.0500, 100.0000,
108.9000

■ 52.5342, 78.2899,
97.5321

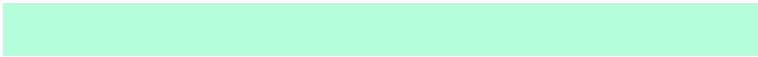
■ 51.8669, 77.9686,
96.4763

■ 51.7861, 77.9304,
96.3123

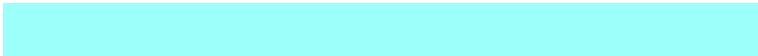
Harmonies

Analogous

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



67.2136, 85.5902, 80.3714



66.9199, 85.5902, 103.4360



70.3000, 85.5902, 127.2491

Triad

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



66.9199, 85.5902, 103.4360



92.5054, 85.5902, 130.4932



86.1416, 85.5902, 56.4031

Complementary

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



66.9199, 85.5902, 103.4360



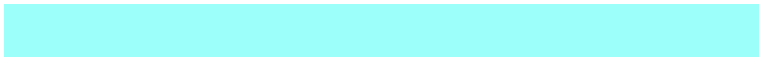
59.8194, 47.9840, 40.2924

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.



93.5032, 85.5902, 65.8301



66.9199, 85.5902, 103.4360



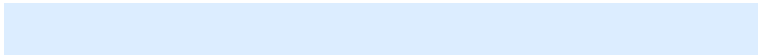
97.3434, 85.5902, 107.3109

Square

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



66.9199, 85.5902, 103.4360



84.8529, 85.5902, 144.5439



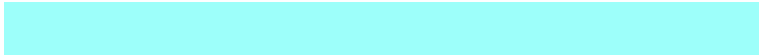
97.7204, 85.5902, 83.6499



77.9466, 85.5902, 55.7214

Rectangle

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



66.9199, 85.5902, 103.4360



74.3227, 85.5902, 139.3175



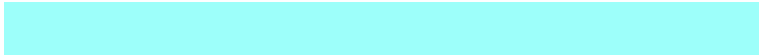
97.7204, 85.5902, 83.6499



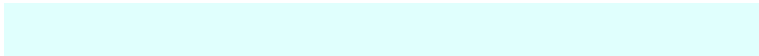
88.8088, 85.5902, 58.5710

Sweetspot

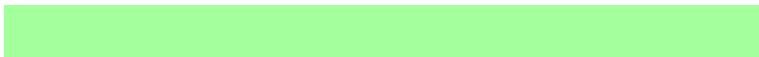
The Sweet Spot groups the original color and five complimentary colors.



66.9210, 85.5907, 103.4375



84.4243, 94.5512, 107.0964



57.0606, 81.7978, 44.6812



17.8451, 20.1224, 22.8822



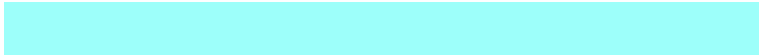
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



66.9210, 85.5907, 103.4375



63.2932, 83.7383, 102.4638



55.6328, 61.7434, 103.5932



18.5125, 20.4645, 23.0017



27.0768, 40.7273, 50.4171



2.6482, 3.9702, 4.9711

Inverse Universe

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



59.8194, 47.9840, 40.2924



55.2953, 41.3549, 31.3265



67.8576, 64.7574, 40.8230



18.0469, 18.0021, 18.8643



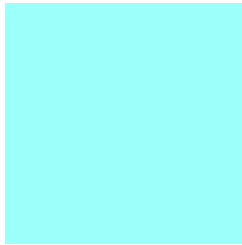
21.6022, 11.1302, 1.2899



2.1159, 1.0888, 0.1920

Previews

White Background



This preview shows how the XYZ color 66.9199, 85.5902, 103.4360 looks on a white background.

Color Contrast Check

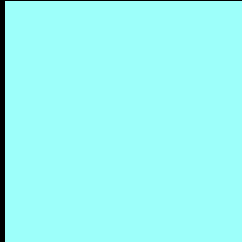
Large Text (above 18pt) WCAG AA × Fail

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 66.9199, 85.5902, 103.4360 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 66.9199, 85.5902, 103.4360

Background



This preview shows how black text looks on a background with the XYZ color 66.9199, 85.5902, 103.4360.

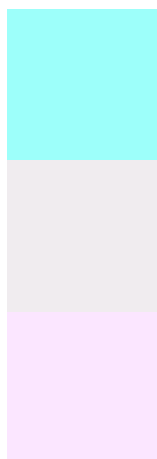


This preview shows how white text looks on a background with the XYZ color 66.9199, 85.5902,

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

66.9199, 85.5902, 103.4360

Protanopia

81.5106, 84.7482, 93.7233

Deuteranopia

86.1305, 84.3229, 106.3441



Tritanopia

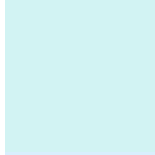
75.3025, 84.7587, 106.9989

Trichromacy



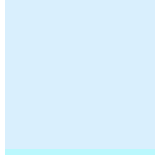
Original Color

66.9199, 85.5902, 103.4360



Protanomaly

74.8066, 84.2739, 97.1178



Deuteranomaly

77.2114, 83.5766, 104.9909



Tritanomaly

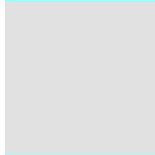
71.7905, 84.7914, 105.5111

Monochromacy



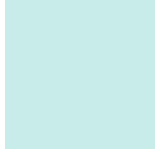
Original Color

66.9199, 85.5902, 103.4360



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.6662, 78.2108, 89.3190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9199, 85.5902, 103.4360 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(157, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(157, 255, 250)  
}
```

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(157, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 250) }
```

Border

The CSS property to change the border of an element to XYZ 66.9199, 85.5902, 103.4360 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(157, 255, 250) }
```


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

```
.border{ border-color:rgb(157, 255, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9199, 85.5902, 103.4360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 255, 250) }
```

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

```
.background{ background-color: rgb(157,  
255, 250) }
```

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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