

Converting Colors

XYZ(67.2647, 85.8716, 98.7696)

Have a look what the booklet for
XYZ(67.2647, 85.8716, 98.7696)
contains.

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Color

**XYZ(67.1934, 85.8382,
98.6149)**

Conversions

Conversions Part 1

Format	Color
Hex	A3FFF4
RGB	163, 255, 244
RGB Percent	64%, 100%, 96%
CMY	0.3608, 0.0000, 0.0431
CMYK	0.36, 0.00, 0.04, 0.00
HSL	173°, 100%, 82%
HSV	173°, 36%, 100%
XYZ	67.1934, 85.8382, 98.6149
YIQ	226.2380, -51.3010, -22.9250

Conversions

Conversions Part 2

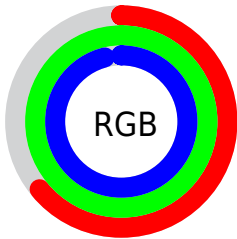
Format	Color
R_{YB}	163, 212, 255
Decimal	10747892
CIE Lab	94.24, -29.77, -3.43
CIE LCh	94, 29.967, 186.573
Yxy	85.8382, 0.2670, 0.3411
Android (android.graphics.Color)	4288937972 (0xFFA3FFF4)
YUV	226.2380, 8.7567, -55.4597
Hunter-Lab	92.6489, -32.6789, 1.7463

Details

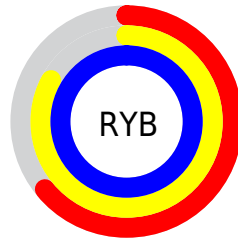
The XYZ color **67.1934, 85.8382, 98.6149** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **61.9780, 50.5117, 46.5285**, and the grayscale version is **72.4262, 76.1980, 82.9796**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **35.2150, 47.0832, 54.8089** is the 20% darker color. If you saturate the color by 10%, you get **62.0295, 83.2291, 95.9780**, and if you desaturate by 10%, it is **73.4196, 88.9940, 101.3443**.

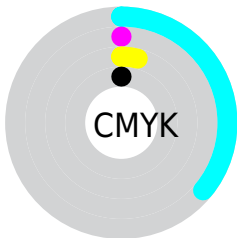
Distribution



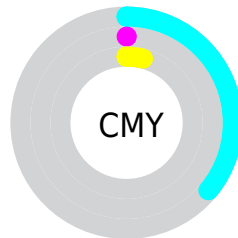
- Red (64%)
- Green (100%)
- Blue (96%)



- Red (64%)
- Yellow (83%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (36%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1934, 85.8382, 98.6149 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 67.1934, 85.8382, 98.6149 by changing the saturation by 10% instead.

67.1934, 85.8382,
98.6149

67.1934, 85.8382,
98.6149

440.0545,
514.3975, 576.9514

49.5131, 64.5342,
74.5339

114.2458,
141.5437, 161.2877

35.2429, 47.0835,
54.7317

144.3485,
176.7139, 200.7165

24.0174, 33.1016,
38.7898

179.3228,
217.2751, 246.0983

15.4713, 22.2043,
26.2897

219.5340,
263.6114, 297.8517

9.2393, 14.0071,
16.8128

265.3474,
316.1075, 356.3951

4.9560, 8.1256,
9.9405

317.1284,

2.2559, 4.1754,

375.1476, 422.1472

5.2545

375.2423,
441.1162, 495.5265

0.7720, 1.7722,
2.3360

0.0000, 0.4697,
0.7513

67.1934, 85.8382,
98.6149

67.1934, 85.8382,
98.6149

62.0295, 83.2291,
95.9780

73.4196, 88.9940,
101.3443

57.8612, 81.1324,
93.4261

80.7634, 92.7250,
104.1648

54.6189, 79.5123,
90.9571

89.2800, 97.0598,
107.0805

52.2229, 78.3275,
88.5670

95.0500, 100.0000,
108.9000

■ 50.5796, 77.5299,
86.2515

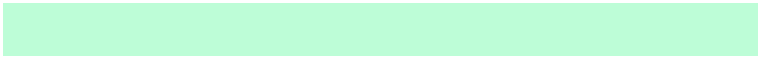
■ 49.5730, 77.0597,
84.0047

■ 49.2845, 76.9298,
83.1389

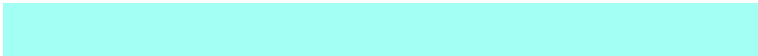
Harmonies

Analogous

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



68.2275, 85.8382, 76.9664



67.1934, 85.8382, 98.6149



69.8078, 85.8382, 122.3544

Triad

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



67.1934, 85.8382, 98.6149



91.1335, 85.8382, 133.6494



87.8786, 85.8382, 58.4866

Complementary

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



67.1934, 85.8382, 98.6149



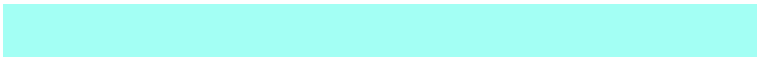
61.9780, 50.5117, 46.5285

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.



94.6211, 85.8382, 69.5206



67.1934, 85.8382, 98.6149



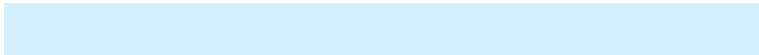
96.5848, 85.8382, 112.1634

Square

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



67.1934, 85.8382, 98.6149



83.3662, 85.8382, 144.6152



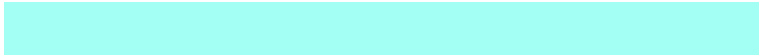
97.9011, 85.8382, 88.4941



79.8326, 85.8382, 56.0672

Rectangle

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



67.1934, 85.8382, 98.6149



73.3756, 85.8382, 135.4236



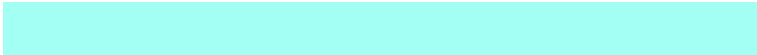
97.9011, 85.8382, 88.4941



90.3884, 85.8382, 61.2115

Sweetspot

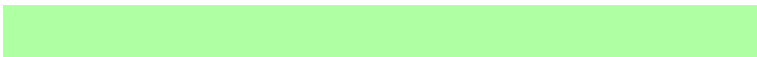
The Sweet Spot groups the original color and five complimentary colors.



67.1944, 85.8387, 98.6164



84.9375, 94.8487, 105.6331



60.1110, 83.3097, 47.5642



17.9351, 20.1768, 22.5254



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

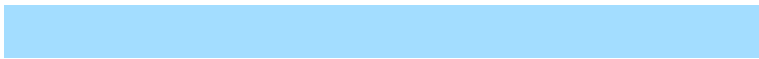
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.1944, 85.8387, 98.6164



63.5095, 83.9759, 96.7805



59.0823, 66.8615, 104.3993



18.4558, 20.4419, 22.7034



25.7893, 40.2123, 43.6371



2.5363, 3.9254, 4.3819

Inverse Universe

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



61.9780, 50.5117, 46.5285



57.6301, 44.1024, 38.0303



67.7575, 63.7170, 43.3794



18.0977, 18.0224, 19.1316



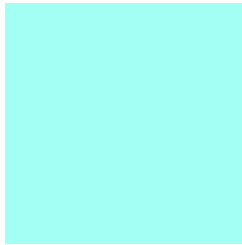
21.7021, 11.1701, 1.8157



2.1399, 1.0983, 0.3181

Previews

White Background



This preview shows how the XYZ color 67.1934, 85.8382, 98.6149 looks on a white background.

Color Contrast Check

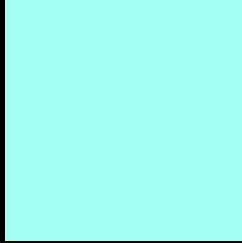
Large Text (above 18pt) WCAG AA × Fail

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 67.1934, 85.8382, 98.6149 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 67.1934, 85.8382, 98.6149

Background



This preview shows how black text looks on a background with the XYZ color 67.1934, 85.8382, 98.6149.

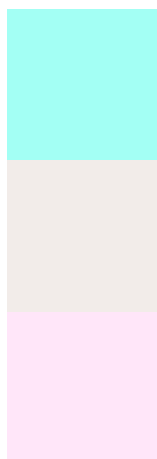


This preview shows how white text looks on a background with the XYZ color 67.1934, 85.8382,

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

67.1934, 85.8382, 98.6149

Protanopia

81.3214, 84.7513, 89.1633

Deuteranopia

86.6357, 84.6932, 101.4038



Tritanopia

76.1328, 85.1868, 107.0378

Trichromacy



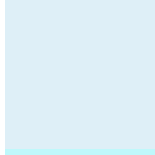
Original Color

67.1934, 85.8382, 98.6149



Protanomaly

74.7772, 84.3617, 92.4630



Deuteranomaly

77.7792, 83.9780, 100.1057



Tritanomaly

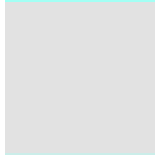
72.4658, 85.1762, 103.8881

Monochromacy



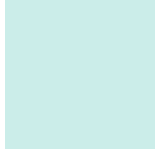
Original Color

67.1934, 85.8382, 98.6149



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.6208, 79.1481, 88.6985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1934, 85.8382, 98.6149 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(163, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(163, 255, 244)  
}
```

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(163, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 255, 244) }
```

Border

The CSS property to change the border of an element to XYZ 67.1934, 85.8382, 98.6149 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(163, 255, 244) }
```


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

```
.border{ border-color:rgb(163, 255, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 255, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 255, 244); box-shadow:4px 4px 4px 4px rgb(163, 255, 244) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1934, 85.8382, 98.6149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 255, 244) }
```

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

```
.background{ background-color: rgb(163,  
255, 244) }
```

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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