

Converting Colors

XYZ(68.4763, 86.7191, 88.7554)

Have a look what the booklet for
XYZ(68.4763, 86.7191, 88.7554)
contains.

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Color

**XYZ(68.5439, 86.7545,
88.7340)**

Conversions

Conversions Part 1

Format	Color
Hex	B2FFE7
RGB	178, 255, 231
RGB Percent	70%, 100%, 91%
CMY	0.3020, 0.0000, 0.0941
CMYK	0.30, 0.00, 0.09, 0.00
HSL	161°, 100%, 85%
HSV	161°, 30%, 100%
XYZ	68.5439, 86.7545, 88.7340
YIQ	229.2410, -38.1880, -23.7880

Conversions

Conversions Part 2

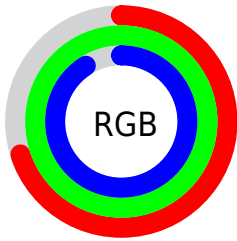
Format	Color
RYB	178, 224, 255
Decimal	11730919
CIELab	94.63, -28.49, 3.94
CIElCh	95, 28.761, 172.135
Yxy	86.7545, 0.2809, 0.3555
Android (android.graphics.Color)	4289920999 (0xFFB2FFE7)
YUV	229.2410, 0.8672, -44.9384
Hunter-Lab	93.1421, -31.6393, 8.7155

Details

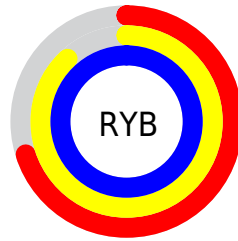
The XYZ color **68.5439, 86.7545, 88.7340** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **67.8217, 57.3661, 63.3757**, and the grayscale version is **74.6674, 78.5559, 85.5474**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **36.1003, 47.6943, 47.8607** is the 20% darker color. If you saturate the color by 10%, you get **62.1298, 83.5746, 82.7074**, and if you desaturate by 10%, it is **76.0983, 90.5162, 95.0829**.

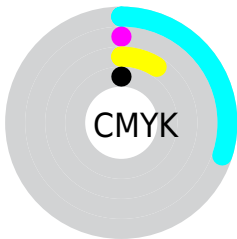
Distribution



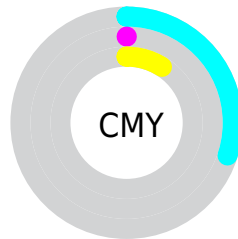
- Red (70%)
- Green (100%)
- Blue (91%)



- Red (70%)
- Yellow (88%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.5439, 86.7545, 88.7340 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 68.5439, 86.7545, 88.7340 by changing the saturation by 10% instead.


 68.5439, 86.7545,
88.7340

 68.5439, 86.7545,
88.7340


444.7672,
517.4158, 544.3674

 50.6156, 65.2921,
66.3633


 116.1675,
142.8219, 147.4987

 36.1226, 47.6979,
48.1091


146.5936,
178.1957, 184.7298

 24.6995, 33.5877,
33.5527


181.9164,
218.9753, 227.7515

 15.9808, 22.5771,
22.2756

222.5011,
265.5453, 276.9823

 9.6013, 14.2815,
13.8593

268.7132,
318.2899, 332.8408

 5.1957, 8.3167,
7.8852

320.9180,

 2.3985, 4.2983,

377.5936, 395.7454

3.9349

379.4809,
443.8408, 466.1148

■ 0.8443, 1.8418,
1.5897

■ 0.0000, 0.5130,
0.2834

■ 68.5439, 86.7545,
88.7340

■ 68.5439, 86.7545,
88.7340

■ 62.1298, 83.5746,
82.7074

■ 76.0983, 90.5162,
95.0829

■ 56.7922, 80.9440,
76.9923

■ 84.8466, 94.8875,
101.7559

■ 52.4652, 78.8286,
71.5837

94.8423, 99.8958,
108.7600

■ 49.0741, 77.1900,
66.4742

95.0500, 100.0000,
108.9000

■ 46.5333, 75.9842,
61.6563

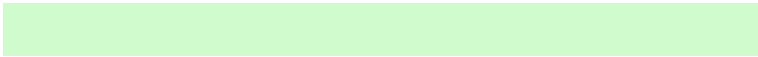
■ 44.7411, 75.1588,
57.1214

■ 43.5494, 74.6358,
52.9383

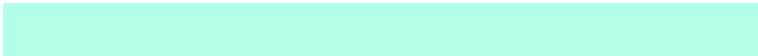
Harmonies

Analogous

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



71.2312, 86.7545, 70.5868



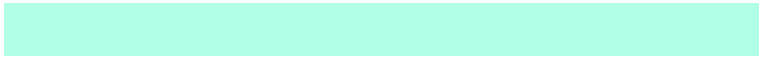
68.5439, 86.7545, 88.7340



69.3955, 86.7545, 111.4925

Triad

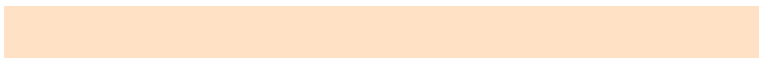
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.5439, 86.7545, 88.7340



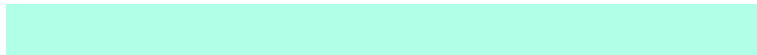
88.2078, 86.7545, 139.8248



91.9582, 86.7545, 64.5848

Complementary

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



68.5439, 86.7545, 88.7340



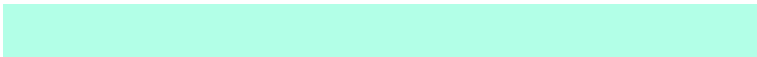
67.8217, 57.3661, 63.3757

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.



97.0637, 86.7545, 79.2586



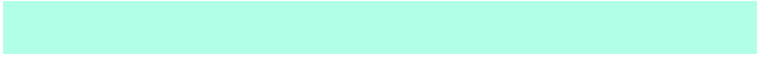
68.5439, 86.7545, 88.7340



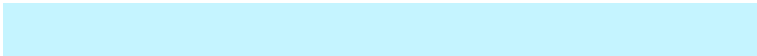
94.8055, 86.7545, 123.1894

Square

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



68.5439, 86.7545, 88.7340



80.4329, 86.7545, 143.4235



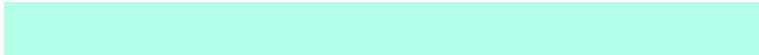
98.1371, 86.7545, 100.4291



84.5159, 86.7545, 58.1420

Rectangle

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



68.5439, 86.7545, 88.7340



71.8813, 86.7545, 126.1237



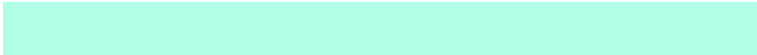
98.1371, 86.7545, 100.4291



94.0234, 86.7545, 68.5973

Sweetspot

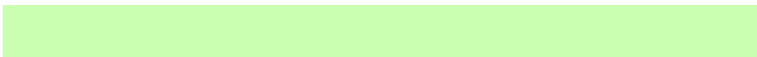
The Sweet Spot groups the original color and five complimentary colors.



68.5448, 86.7549, 88.7354



85.9745, 95.4520, 102.5754



68.2576, 87.3448, 55.3825



18.1087, 20.2838, 21.7419



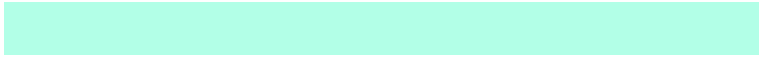
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

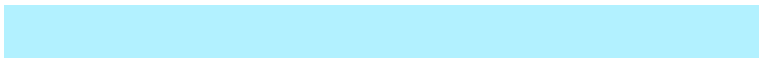
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.5448, 86.7549, 88.7354



64.6861, 84.8400, 85.1977



67.8316, 79.5271, 106.3829



18.2997, 20.3794, 21.8812



22.8258, 39.0269, 28.0316



2.2717, 3.8196, 2.9887

Inverse Universe

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



67.8217, 57.3661, 63.3757



63.8663, 51.3229, 56.3000



68.1519, 62.2259, 50.5397



18.2425, 18.0803, 19.8943



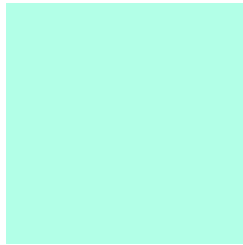
22.3541, 11.4309, 5.2490



2.2232, 1.1317, 0.7570

Previews

White Background



This preview shows how the XYZ color 68.5439, 86.7545, 88.7340 looks on a white background.

Color Contrast Check

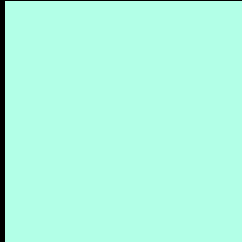
Large Text (above 18pt) WCAG AA × Fail

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 68.5439, 86.7545, 88.7340 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 68.5439, 86.7545, 88.7340

Background



This preview shows how black text looks on a background with the XYZ color 68.5439, 86.7545, 88.7340.



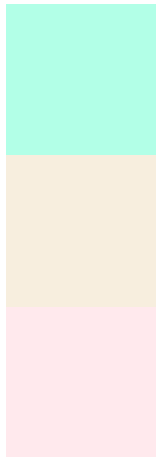
This preview shows how white text looks on a background with the XYZ color 68.5439, 86.7545,

88.7340.

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

68.5439, 86.7545, 88.7340

Protanopia

82.1171, 86.1972, 81.4169

Deuteranopia

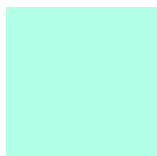
85.6650, 85.6523, 92.1383



Tritanopia

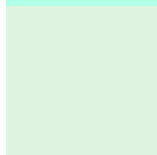
78.1322, 86.2175, 107.1314

Trichromacy



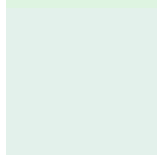
Original Color

68.5439, 86.7545, 88.7340



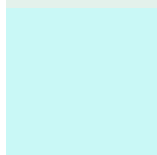
Protanomaly

76.0655, 85.6672, 83.7605



Deuteranomaly

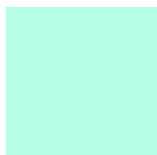
78.1292, 85.2396, 90.9323



Tritanomaly

74.2893, 86.2061, 99.9128

Monochromacy



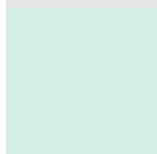
Original Color

68.5439, 86.7545, 88.7340



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.4358, 80.5639, 86.6482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5439, 86.7545, 88.7340 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(178, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 231)  
}
```

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(178, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 231) }
```

Border

The CSS property to change the border of an element to XYZ 68.5439, 86.7545, 88.7340 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(178, 255, 231) }
```


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

```
.border{ border-color:rgb(178, 255, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5439, 86.7545, 88.7340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 231) }
```

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

```
.background{ background-color: rgb(178,  
255, 231) }
```

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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