

Converting Colors

XYZ(65.7233, 85.5218, 78.6008)

Have a look what the booklet for
XYZ(65.7233, 85.5218, 78.6008)
contains.

XYZ(65.7399, 85.5284, 78.6894)	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(65.7399, 85.5284,
78.6894)**

Conversions

Conversions Part 1

Format	Color
Hex	AEFFD9
RGB	174, 255, 217
RGB Percent	68%, 100%, 85%
CMY	0.3176, 0.0000, 0.1490
CMYK	0.32, 0.00, 0.15, 0.00
HSL	152°, 100%, 84%
HSV	152°, 32%, 100%
XYZ	65.7399, 85.5284, 78.6894
YIQ	226.4490, -36.0780, -28.9900

Conversions

Conversions Part 2

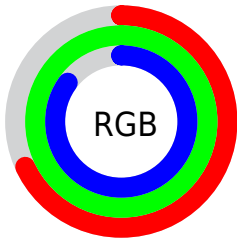
Format	Color
RYB	174, 227, 255
Decimal	11468761
CIELab	94.11, -32.43, 10.37
CIELCh	94, 34.049, 162.276
Yxy	85.5284, 0.2859, 0.3719
Android (android.graphics.Color)	4289658841 (0xFFFAE9FD9)
YUV	226.4490, -4.6584, -45.9978
Hunter-Lab	92.4816, -34.9572, 14.2893

Details

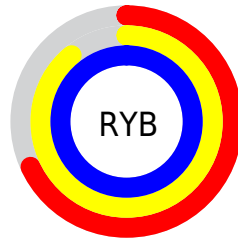
The XYZ color **65.7399, 85.5284, 78.6894** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68.2602, 56.2864, 69.5541**, and the grayscale version is **72.6649, 76.4491, 83.2531**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **34.3234, 46.9187, 41.4296** is the 20% darker color. If you saturate the color by 10%, you get **59.0880, 82.2725, 70.5484**, and if you desaturate by 10%, it is **73.5846, 89.3861, 87.4778**.

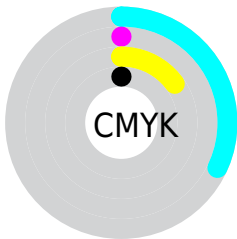
Distribution



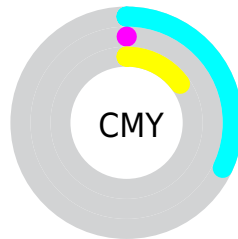
- Red (68%)
- Green (100%)
- Blue (85%)



- Red (68%)
- Yellow (89%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.7399, 85.5284, 78.6894 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 65.7399, 85.5284, 78.6894 by changing the saturation by 10% instead.


 65.7399, 85.5284,
78.6894

 65.7399, 85.5284,
78.6894

434.9494,
513.3749, 510.0948

 48.3282, 64.2781,
58.1207

 112.1727,
141.1112, 133.3162

 34.2992, 46.8759,
41.4903


141.9246,
176.2125, 168.2114

 23.2875, 32.9376,
28.3798


176.5206,
216.6995, 208.7191

 14.9278, 22.0786,
18.3706

216.3260,
262.9567, 255.2579

 8.8547, 13.9147,
11.0442

261.7062,
315.3684, 308.2463

 4.7029, 8.0614,
5.9820

313.0267,

 2.1070, 4.1342,

374.3191, 368.1029

2.7656

370.6526,
440.1931, 435.2462

0.6930, 1.7489,
0.9762

0.0000, 0.4550,
0.0000

65.7399, 85.5284,
78.6894

65.7399, 85.5284,
78.6894

59.0880, 82.2725,
70.5484

73.5846, 89.3861,
87.4778

53.5629, 79.5848,
63.0353

82.6783, 93.8744,
96.9241

49.0956, 77.4299,
56.1353

93.0766, 99.0217,
107.0441

45.6083, 75.7681,
49.8316

95.0500, 100.0000,
108.9000

■ 43.0114, 74.5533,
44.1061

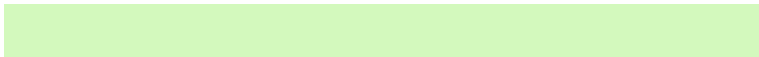
■ 41.1976, 73.7308,
38.9397

■ 40.1595, 73.2798,
35.0876

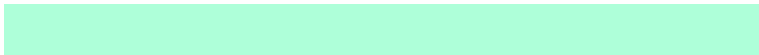
Harmonies

Analogous

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



70.0817, 85.5284, 60.7538



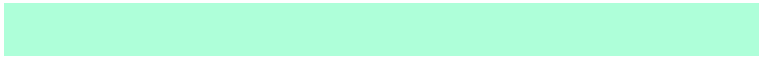
65.7399, 85.5284, 78.6894



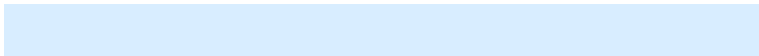
65.3670, 85.5284, 104.1906

Triad

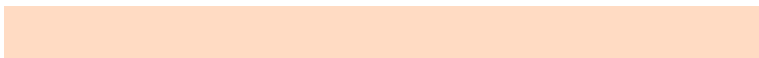
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.7399, 85.5284, 78.6894



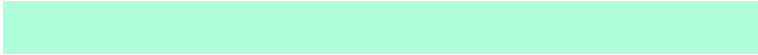
85.0690, 85.5284, 151.1679



94.9368, 85.5284, 63.3226

Complementary

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



65.7399, 85.5284, 78.6894



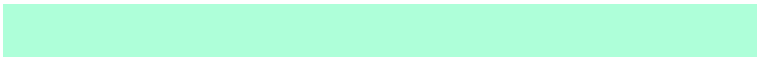
68.2602, 56.2864, 69.5541

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.



99.6142, 85.5284, 82.8736



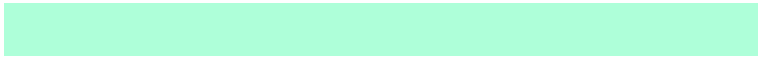
65.7399, 85.5284, 78.6894



93.6386, 85.5284, 135.3378

Square

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



65.7399, 85.5284, 78.6894



76.0813, 85.5284, 149.4715



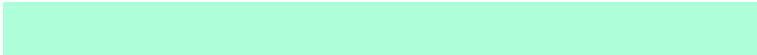
99.1221, 85.5284, 109.2282



86.7357, 85.5284, 53.0875

Rectangle

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



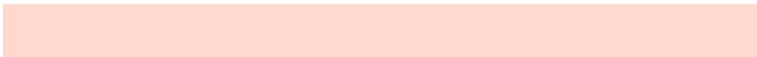
65.7399, 85.5284, 78.6894



67.3789, 85.5284, 122.5265



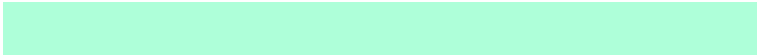
99.1221, 85.5284, 109.2282



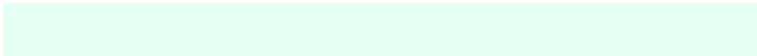
96.9999, 85.5284, 68.8502

Sweetspot

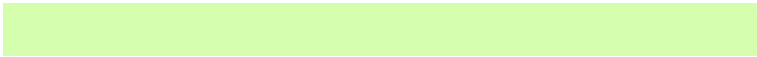
The Sweet Spot groups the original color and five complimentary colors.



65.7407, 85.5288, 78.6908



84.4162, 94.7337, 98.6598



70.8846, 88.7448, 53.4389



17.7715, 20.1300, 20.8209



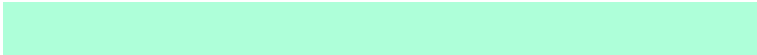
0.0000, 0.0000, 0.0000



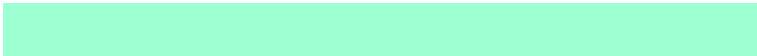
20.3446, 21.4041, 23.3091

Same Dimension

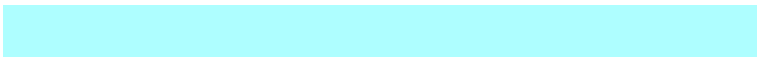
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.7407, 85.5288, 78.6908



61.4561, 83.4296, 73.5384



70.8369, 86.8806, 107.6439



18.1746, 20.3294, 21.2224



21.0604, 38.3208, 18.7352



2.1058, 3.7532, 2.1150

Inverse Universe

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



68.2602, 56.2864, 69.5541



64.3301, 50.0863, 63.1263



64.2788, 55.1133, 47.2956



18.3641, 18.1289, 20.5342



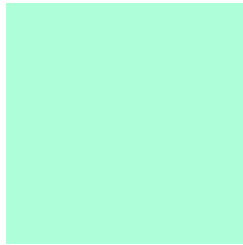
23.3823, 11.8422, 10.6639



2.3313, 1.1749, 1.3260

Previews

White Background



This preview shows how the XYZ color 65.7399, 85.5284, 78.6894 looks on a white background.

Color Contrast Check

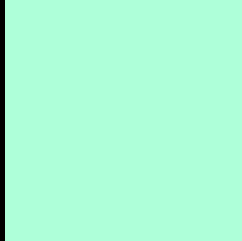
Large Text (above 18pt) WCAG AA × Fail

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 65.7399, 85.5284, 78.6894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

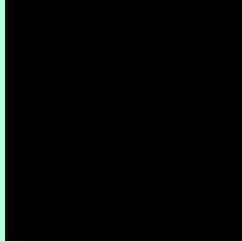
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.7399, 85.5284, 78.6894

Background



This preview shows how black text looks on a background with the XYZ color 65.7399, 85.5284, 78.6894.



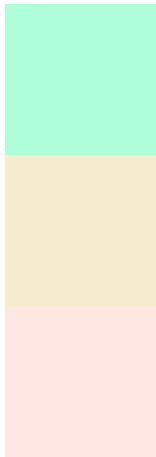
This preview shows how white text looks on a background with the XYZ color 65.7399, 85.5284,

78.6894.

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

65.7399, 85.5284, 78.6894

Protanopia

79.9693, 84.4524, 71.1176

Deuteranopia

84.1002, 84.5747, 85.2908



Tritanopia

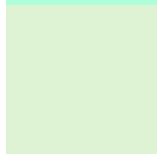
76.3951, 84.8765, 106.9641

Trichromacy



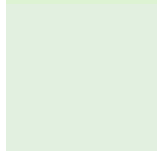
Original Color

65.7399, 85.5284, 78.6894



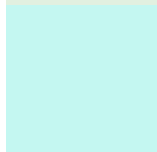
Protanomaly

73.6273, 84.1765, 73.9951



Deuteranomaly

75.9787, 83.8707, 82.7052



Tritanomaly

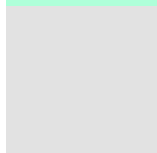
71.9029, 84.6082, 95.7604

Monochromacy



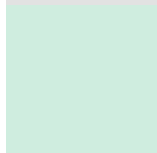
Original Color

65.7399, 85.5284, 78.6894



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.3356, 79.1615, 81.4374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.7399, 85.5284, 78.6894 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(174, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(174, 255, 217)  
}
```

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(174, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 65.7399, 85.5284, 78.6894 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(174, 255, 217) }
```


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

```
.border{ border-color:rgb(174, 255, 217) }
```

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

Here you see how a box with a 4 pixel rgb(174, 255, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(174, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 65.7399, 85.5284, 78.6894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 255, 217) }
```

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

```
.background{ background-color: rgb(174,  
255, 217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor