

Converting Colors

XYZ(65.3543, 85.1430, 87.1019)

Have a look what the booklet for
XYZ(65.3543, 85.1430, 87.1019)
contains.

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Color

**XYZ(65.4199, 85.1765,
87.1215)**

Conversions

Conversions Part 1

Format	Color
Hex	A5FFE5
RGB	165, 255, 229
RGB Percent	65%, 100%, 90%
CMY	0.3529, 0.0000, 0.1020
CMYK	0.35, 0.00, 0.10, 0.00
HSL	163°, 100%, 82%
HSV	163°, 35%, 100%
XYZ	65.4199, 85.1765, 87.1215
YIQ	225.1260, -45.2940, -27.1660

Conversions

Conversions Part 2

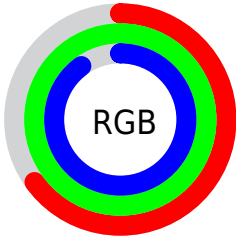
Format	Color
RYB	165, 218, 255
Decimal	10878949
CIELab	93.96, -32.50, 3.91
CIELCh	94, 32.734, 173.139
Yxy	85.1765, 0.2752, 0.3583
Android (android.graphics.Color)	4289069029 (0xFFA5FFE5)
YUV	225.1260, 1.9099, -52.7305
Hunter-Lab	92.2911, -34.9810, 8.6349

Details

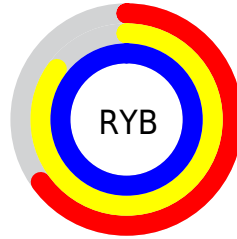
The XYZ color **65.4199, 85.1765, 87.1215** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.0997, 51.9329, 55.9363**, and the grayscale version is **71.6686, 75.4009, 82.1116**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **34.1407, 46.6954, 47.2581** is the 20% darker color. If you saturate the color by 10%, you get **59.6276, 82.3068, 81.5956**, and if you desaturate by 10%, it is **72.3149, 88.6096, 92.9297**.

Distribution



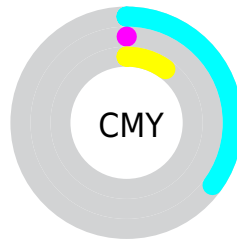
- Red (65%)
- Green (100%)
- Blue (90%)



- Red (65%)
- Yellow (85%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.4199, 85.1765, 87.1215 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 65.4199, 85.1765, 87.1215 by changing the saturation by 10% instead.


 65.4199, 85.1765,
87.1215


 65.4199, 85.1765,
87.1215


433.8208,
512.2119, 538.9486

 48.0676, 63.9872,
65.0356


 111.7157,
140.6197, 145.2338

 34.0919, 46.6403,
47.0384


 141.3899,
175.6425, 182.0973

 23.1274, 32.7514,
32.7114


175.9021,
216.0452, 224.7237

 14.8088, 21.9361,
21.6362

215.6177,
262.2123, 273.5316

 8.7708, 13.8099,
13.3941

260.9020,
314.5281, 328.9395

 4.6479, 7.9886,
7.5665

312.1204,

 2.0748, 4.0877,

373.3770, 391.3659

3.7351

369.6382,
439.1435, 461.2295

■ 0.6755, 1.7227,
1.4812

■ 0.0000, 0.4383,
0.2038

■ 65.4199, 85.1765,
87.1215

■ 65.4199, 85.1765,
87.1215

■ 59.6276, 82.3068,
81.5956

■ 72.3149, 88.6096,
92.9297

■ 54.8718, 79.9664,
76.3418

■ 80.3686, 92.6349,
99.0213

■ 51.0829, 78.1196,
71.3555

■ 89.6360, 97.2808,
105.4030

■ 48.1813, 76.7253,
66.6301

95.0500, 100.0000,
108.9000

■ 46.0744, 75.7360,
62.1583

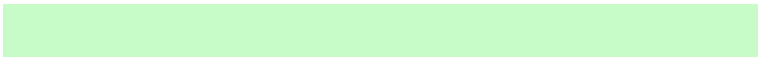
■ 44.6479, 75.0927,
57.9317

■ 44.1351, 74.8700,
56.0226

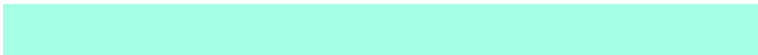
Harmonies

Analogous

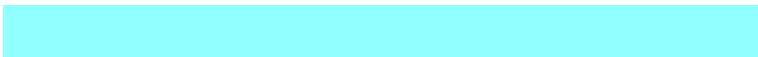
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.2651, 85.1765, 66.8071



65.4199, 85.1765, 87.1215



66.4922, 85.1765, 112.9300

Triad

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



65.4199, 85.1765, 87.1215



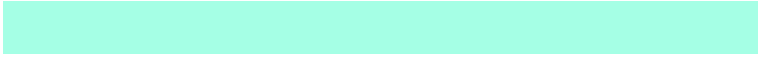
87.7297, 85.1765, 144.3017



91.4425, 85.1765, 59.3724

Complementary

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



65.4199, 85.1765, 87.1215



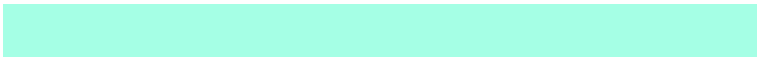
64.0997, 51.9329, 55.9363

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.



97.3824, 85.1765, 75.1171



65.4199, 85.1765, 87.1215



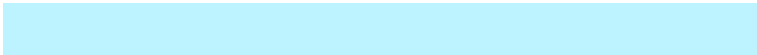
95.1335, 85.1765, 124.6478

Square

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



65.4199, 85.1765, 87.1215



78.9704, 85.1765, 149.0807



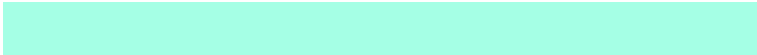
98.7794, 85.1765, 98.6007



82.9781, 85.1765, 52.7568

Rectangle

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



65.4199, 85.1765, 87.1215



69.3244, 85.1765, 129.6208



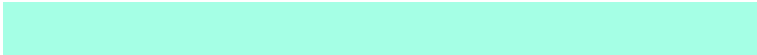
98.7794, 85.1765, 98.6007



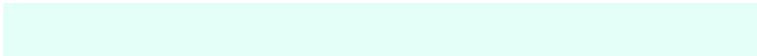
93.8247, 85.1765, 63.6206

Sweetspot

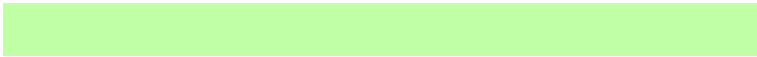
The Sweet Spot groups the original color and five complimentary colors.



65.4208, 85.1769, 87.1229



84.1954, 94.5518, 101.7252



64.2905, 85.4434, 48.7024



17.7574, 20.1057, 21.5893



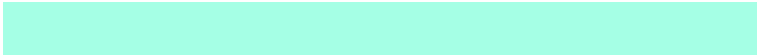
0.0000, 0.0000, 0.0000



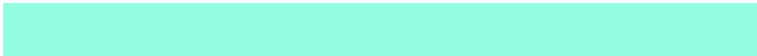
20.3446, 21.4041, 23.3091

Same Dimension

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



65.4208, 85.1769, 87.1229



61.4175, 83.1917, 83.3852



63.8520, 75.7883, 105.8710



18.3180, 20.3867, 21.9777



23.1295, 39.1484, 29.6308



2.2994, 3.8307, 3.1347

Inverse Universe

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



64.0997, 51.9329, 55.9363



59.9346, 45.6566, 48.2160



64.9657, 57.8446, 43.3397



18.2251, 18.0734, 19.8028



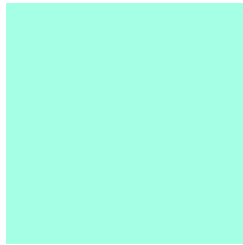
22.2443, 11.3870, 4.6711



2.2107, 1.1267, 0.6912

Previews

White Background



This preview shows how the XYZ color 65.4199, 85.1765, 87.1215 looks on a white background.

Color Contrast Check

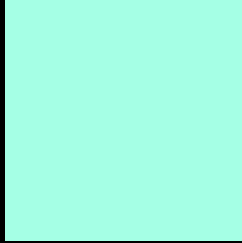
Large Text (above 18pt) WCAG AA × Fail

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 65.4199, 85.1765, 87.1215 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

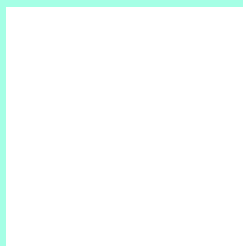
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.4199, 85.1765, 87.1215

Background



This preview shows how black text looks on a background with the XYZ color 65.4199, 85.1765, 87.1215.



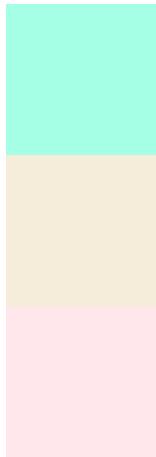
This preview shows how white text looks on a background with the XYZ color 65.4199, 85.1765,

87.1215.

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

65.4199, 85.1765, 87.1215

Protanopia

80.3065, 84.4653, 78.4005

Deuteranopia

84.8113, 84.4100, 90.4200



Tritanopia

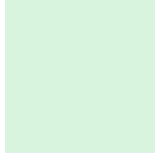
75.5775, 84.9005, 107.0118

Trichromacy



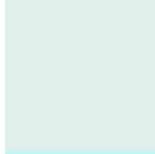
Original Color

65.4199, 85.1765, 87.1215



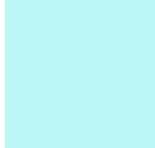
Protanomaly

73.5543, 83.9740, 81.4391



Deuteranomaly

75.9923, 83.7330, 89.2477



Tritanomaly

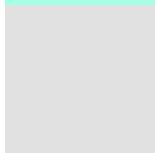
71.4372, 84.7358, 99.7793

Monochromacy



Original Color

65.4199, 85.1765, 87.1215



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.3515, 78.1784, 83.4389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4199, 85.1765, 87.1215 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(165, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 229)  
}
```

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(165, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 229) }
```

Border

The CSS property to change the border of an element to XYZ 65.4199, 85.1765, 87.1215 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(165, 255, 229) }
```


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

```
.border{ border-color:rgb(165, 255, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4199, 85.1765, 87.1215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 229) }
```

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

```
.background{ background-color: rgb(165,  
255, 229) }
```

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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