

Converting Colors

XYZ(73.8999, 102.1436,
87.9154)

Have a look what the booklet for
XYZ(73.8999, 102.1436, 87.9154)
contains.

XYZ(65.4238, 85.2265, 84.9537)	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(65.4238, 85.2265,
84.9537)**

Conversions

Conversions Part 1

Format	Color
Hex	A7FFE2
RGB	167, 255, 226
RGB Percent	65%, 100%, 89%
CMY	0.3451, 0.0000, 0.1137
CMYK	0.35, 0.00, 0.11, 0.00
HSL	160°, 100%, 83%
HSV	160°, 35%, 100%
XYZ	65.4238, 85.2265, 84.9537
YIQ	225.3820, -43.1390, -27.6750

Conversions

Conversions Part 2

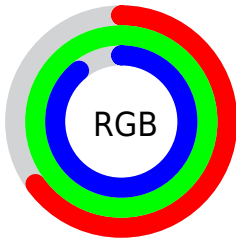
Format	Color
RYB	167, 220, 255
Decimal	11010018
CIELab	93.98, -32.58, 5.50
CIELCh	94, 33.044, 170.418
Yxy	85.2265, 0.2777, 0.3617
Android (android.graphics.Color)	4289200098 (0xFFA7FFE2)
YUV	225.3820, 0.3047, -51.2010
Hunter-Lab	92.3182, -35.0580, 10.0625

Details

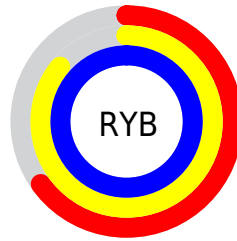
The XYZ color **65.4238, 85.2265, 84.9537** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **65.0231, 52.8839, 59.0054**, and the grayscale version is **71.8629, 75.6053, 82.3342**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **34.1003, 46.7079, 45.7463** is the 20% darker color. If you saturate the color by 10%, you get **59.4326, 82.2679, 78.8017**, and if you desaturate by 10%, it is **72.5353, 88.7560, 91.4560**.

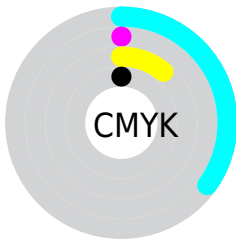
Distribution



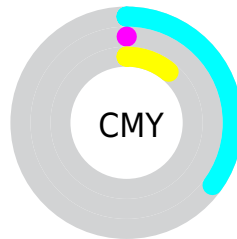
- Red (65%)
- Green (100%)
- Blue (89%)



- Red (65%)
- Yellow (86%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.4238, 85.2265, 84.9537 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 65.4238, 85.2265, 84.9537 by changing the saturation by 10% instead.


 65.4238, 85.2265,
84.9537

 65.4238, 85.2265,
84.9537


433.8345,
512.3772, 531.6154

 48.0708, 64.0285,
63.2532


 111.7213,
140.6896, 142.1821

 34.0944, 46.6738,
45.6038


141.3964,
175.7235, 178.5470

 23.1294, 32.7779,
31.5868


175.9096,
216.1382, 220.6372

 14.8103, 21.9563,
20.7839

215.6263,
262.3181, 268.8712

 8.7718, 13.8248,
12.7764

260.9118,
314.6475, 323.6674

 4.6485, 7.9989,
7.1459

312.1314,

 2.0752, 4.0943,

373.5110, 385.4445

3.4737

369.6505,
439.2927, 454.6210

■ 0.6757, 1.7264,
1.3413

■ 0.0000, 0.4407,
0.0953

■ 65.4238, 85.2265,
84.9537

■ 65.4238, 85.2265,
84.9537

■ 59.4326, 82.2679,
78.8017

■ 72.5353, 88.7560,
91.4560

■ 54.4957, 79.8463,
72.9885

■ 80.8229, 92.8853,
98.3110

■ 50.5438, 77.9262,
67.5079

■ 90.3418, 97.6426,
105.5269

■ 47.4978, 76.4670,
62.3520

95.0500, 100.0000,
108.9000

■ 45.2662, 75.4213,
57.5120

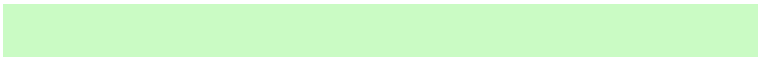
■ 43.7365, 74.7315,
52.9780

■ 43.1077, 74.4591,
50.6127

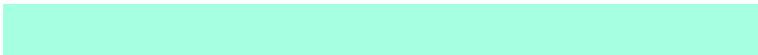
Harmonies

Analogous

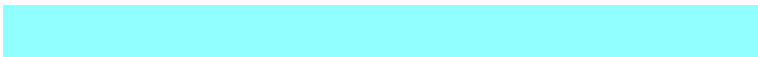
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.6385, 85.2265, 65.1906



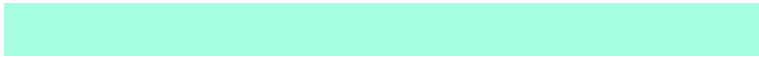
65.4238, 85.2265, 84.9537



66.1445, 85.2265, 110.7718

Triad

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



65.4238, 85.2265, 84.9537



87.0598, 85.2265, 146.0921



92.2853, 85.2265, 60.2041

Complementary

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



65.4238, 85.2265, 84.9537



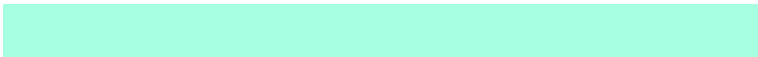
65.0231, 52.8839, 59.0054

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.



97.9401, 85.2265, 76.8805



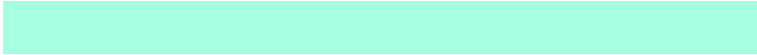
65.4238, 85.2265, 84.9537



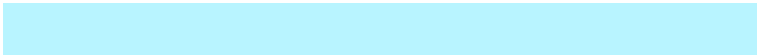
94.7747, 85.2265, 127.2685

Square

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



65.4238, 85.2265, 84.9537



78.2181, 85.2265, 149.3246



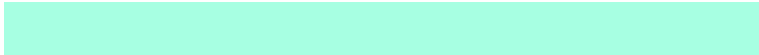
98.8828, 85.2265, 101.1091



83.8578, 85.2265, 52.7096

Rectangle

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



65.4238, 85.2265, 84.9537



68.7809, 85.2265, 127.9391



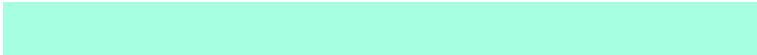
98.8828, 85.2265, 101.1091



94.5984, 85.2265, 64.7630

Sweetspot

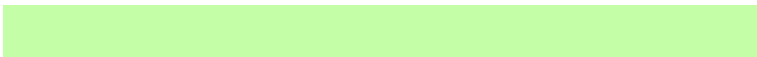
The Sweet Spot groups the original color and five complimentary colors.



65.4246, 85.2269, 84.9551



84.9592, 94.9509, 101.5194



65.5875, 86.0909, 49.7208



17.9030, 20.1826, 21.5136



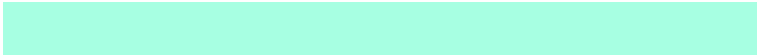
0.0000, 0.0000, 0.0000



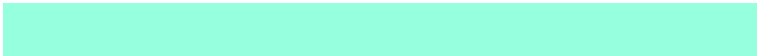
20.3446, 21.4041, 23.3091

Same Dimension

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



65.4246, 85.2269, 84.9551



61.4116, 83.2432, 80.9217



65.2453, 77.9527, 106.2153



18.2854, 20.3737, 21.8058



22.5966, 38.9352, 26.8247



2.2507, 3.8112, 2.8778

Inverse Universe

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



65.0231, 52.8839, 59.0054



60.9650, 46.7153, 51.6488



64.8755, 57.3705, 44.2148



18.2562, 18.0858, 19.9662



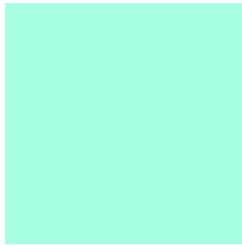
22.4466, 11.4679, 5.7365



2.2336, 1.1358, 0.8114

Previews

White Background



This preview shows how the XYZ color 65.4238, 85.2265, 84.9537 looks on a white background.

Color Contrast Check

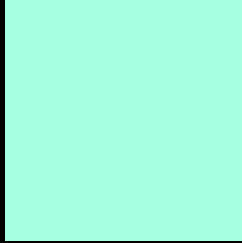
Large Text (above 18pt) WCAG AA × Fail

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 65.4238, 85.2265, 84.9537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

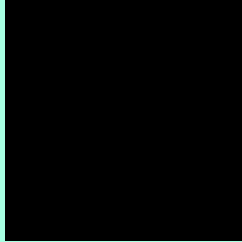
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

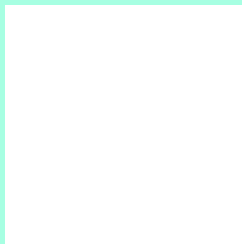
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.4238, 85.2265, 84.9537

Background



This preview shows how black text looks on a background with the XYZ color 65.4238, 85.2265, 84.9537.



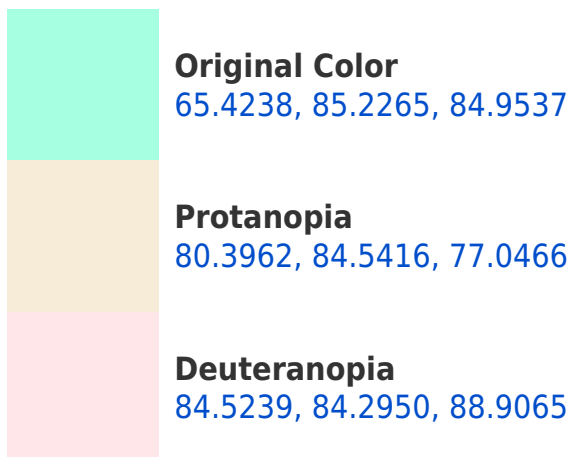
This preview shows how white text looks on a background with the XYZ color 65.4238, 85.2265,

84.9537.

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





Tritanopia

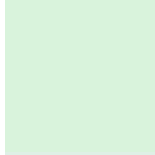
75.5542, 84.4430, 106.9247

Trichromacy



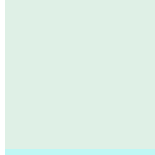
Original Color

65.4238, 85.2265, 84.9537



Protanomaly

73.5841, 84.0202, 80.0494



Deuteranomaly

75.8744, 83.7213, 87.0237



Tritanomaly

71.3281, 84.2596, 98.0923

Monochromacy



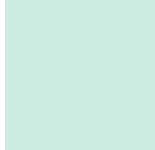
Original Color

65.4238, 85.2265, 84.9537



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.4879, 78.2645, 82.7310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4238, 85.2265, 84.9537 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(167, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 226)  
}
```

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(167, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 226) }
```

Border

The CSS property to change the border of an element to XYZ 65.4238, 85.2265, 84.9537 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(167, 255, 226) }
```


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

```
.border{ border-color:rgb(167, 255, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 255, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 255, 226); box-shadow:4px 4px 4px 4px rgb(167, 255, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4238, 85.2265, 84.9537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 255, 226) }
```

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

```
.background{ background-color: rgb(167,  
255, 226) }
```

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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