

Converting Colors

XYZ(66.1404, 85.5721, 86.0618)

Have a look what the booklet for
XYZ(66.1404, 85.5721, 86.0618)
contains.

XYZ(65.9873, 85.5011, 85.6985)	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(65.9873, 85.5011,
85.6985)**

Conversions

Conversions Part 1

Format	Color
Hex	A9FFE3
RGB	169, 255, 227
RGB Percent	66%, 100%, 89%
CMY	0.3372, 0.0000, 0.1098
CMYK	0.34, 0.00, 0.11, 0.00
HSL	160°, 100%, 83%
HSV	160°, 34%, 100%
XYZ	65.9873, 85.5011, 85.6985
YIQ	226.0940, -42.2680, -26.9400

Conversions

Conversions Part 2

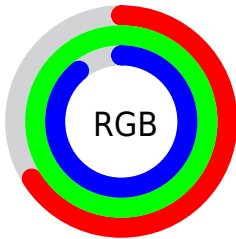
Format	Color
RYB	169, 220, 255
Decimal	11141091
CIELab	94.10, -31.83, 5.17
CIElCh	94, 32.245, 170.778
Yxy	85.5011, 0.2782, 0.3605
Android (android.graphics.Color)	4289331171 (0xFFA9FFE3)
YUV	226.0940, 0.4467, -50.0714
Hunter-Lab	92.4668, -34.4335, 9.7766

Details

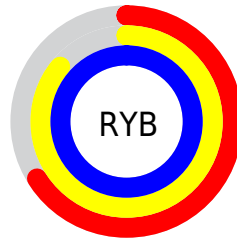
The XYZ color **65.9873, 85.5011, 85.6985** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **65.5066, 53.6682, 59.7302**, and the grayscale version is **72.3753, 76.1445, 82.9214**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **34.4505, 46.8774, 46.2622** is the 20% darker color. If you saturate the color by 10%, you get **59.9216, 82.5033, 79.5774**, and if you desaturate by 10%, it is **73.1767, 89.0717, 92.1634**.

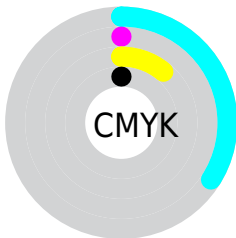
Distribution



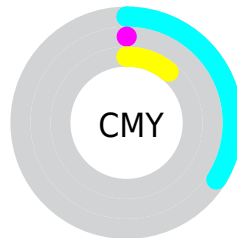
- Red (66%)
- Green (100%)
- Blue (89%)



- Red (66%)
- Yellow (86%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (34%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.9873, 85.5011, 85.6985 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 65.9873, 85.5011, 85.6985 by changing the saturation by 10% instead.


 65.9873, 85.5011,
85.6985

 65.9873, 85.5011,
85.6985


435.8208,
513.2847, 534.1413

 48.5298, 64.2555,
63.8652

 112.5259,
141.0731, 143.2315

 34.4596, 46.8576,
46.0960


142.3377,
176.1682, 179.7683

 23.4115, 32.9231,
31.9724


176.9983,
216.6487, 222.0433

 15.0200, 22.0676,
21.0758

216.8731,
262.8989, 270.4752

 8.9198, 13.9066,
12.9876

262.3274,
315.3032, 325.4824

 4.7456, 8.0557,
7.2894

313.7265,

 2.1320, 4.1306,

374.2460, 387.4834

3.5626

371.4359,
440.1117, 456.8969

0.7065, 1.7469,
1.3886

0.0000, 0.4537,
0.1328

65.9873, 85.5011,
85.6985

65.9873, 85.5011,
85.6985

59.9216, 82.5033,
79.5774

73.1767, 89.0717,
92.1634

54.9141, 80.0447,
73.7889

81.5453, 93.2438,
98.9745

50.8960, 78.0901,
68.3271

91.1479, 98.0454,
106.1396

47.7894, 76.5992,
63.1840

95.0500, 100.0000,
108.9000

■ 45.5036, 75.5254,
58.3512

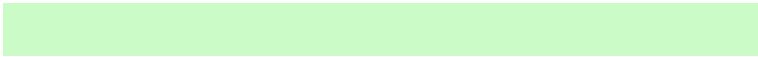
■ 43.9285, 74.8121,
53.8192

■ 43.2045, 74.4978,
51.1220

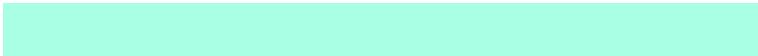
Harmonies

Analogous

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



69.0968, 85.5011, 66.2046



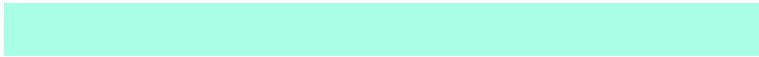
65.9873, 85.5011, 85.6985



66.7415, 85.5011, 110.9606

Triad

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



65.9873, 85.5011, 85.6985



87.2855, 85.5011, 144.8693



92.1972, 85.5011, 60.9675

Complementary

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



65.9873, 85.5011, 85.6985



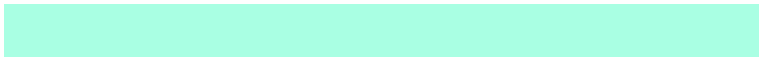
65.5066, 53.6682, 59.7302

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.



97.7587, 85.5011, 77.2600



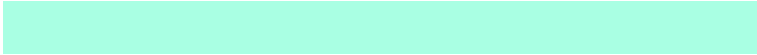
65.9873, 85.5011, 85.6985



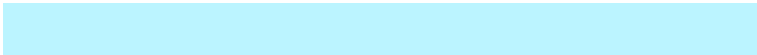
94.7867, 85.5011, 126.4319

Square

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



65.9873, 85.5011, 85.6985



78.6404, 85.5011, 148.2148



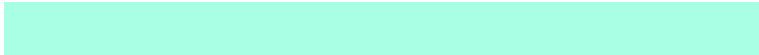
98.7384, 85.5011, 100.9077



83.9499, 85.5011, 53.6808

Rectangle

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



65.9873, 85.5011, 85.6985



69.3567, 85.5011, 127.6465



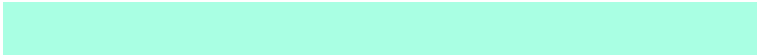
98.7384, 85.5011, 100.9077



94.4665, 85.5011, 65.4212

Sweetspot

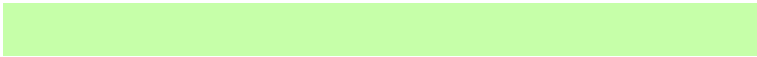
The Sweet Spot groups the original color and five complimentary colors.



65.9881, 85.5015, 85.6999



84.9748, 94.9572, 101.6015



66.1231, 86.3454, 50.7187



17.9068, 20.1841, 21.5335



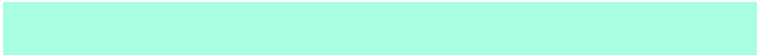
0.0000, 0.0000, 0.0000



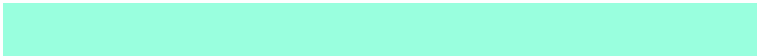
20.3446, 21.4041, 23.3091

Same Dimension

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



65.9881, 85.5015, 85.6999



62.0538, 83.5551, 81.8183



65.7696, 78.3690, 106.2680



18.2886, 20.3750, 21.8225



22.6468, 38.9553, 27.0891



2.2553, 3.8130, 2.9021

Inverse Universe

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



65.5066, 53.6682, 59.7302



61.5163, 47.5965, 52.5152



65.4045, 58.1302, 45.3105



18.2531, 18.0846, 19.9502



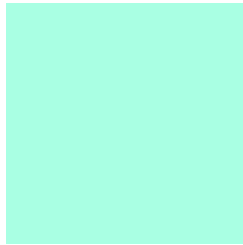
22.4256, 11.4595, 5.6256



2.2312, 1.1349, 0.7991

Previews

White Background



This preview shows how the XYZ color 65.9873, 85.5011, 85.6985 looks on a white background.

Color Contrast Check

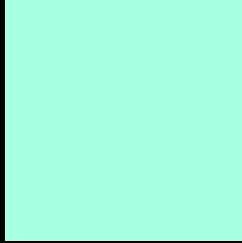
Large Text (above 18pt) WCAG AA × Fail

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 65.9873, 85.5011, 85.6985 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

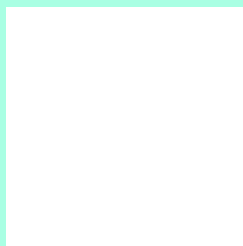
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.9873, 85.5011, 85.6985

Background



This preview shows how black text looks on a background with the XYZ color 65.9873, 85.5011, 85.6985.



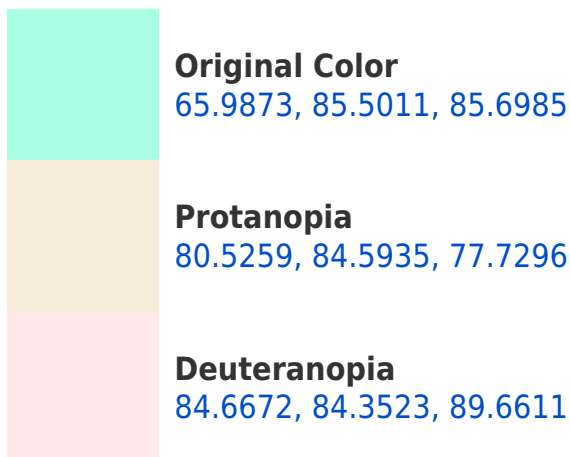
This preview shows how white text looks on a background with the XYZ color 65.9873, 85.5011,

85.6985.

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

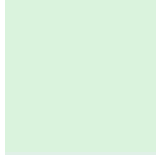
76.4131, 85.3313, 107.0509

Trichromacy



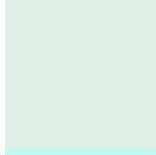
Original Color

65.9873, 85.5011, 85.6985



Protanomaly

74.0152, 84.2271, 80.7630



Deuteranomaly

76.3244, 83.9370, 87.7800



Tritanomaly

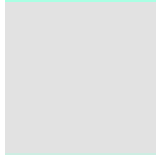
72.2970, 85.1967, 99.0204

Monochromacy



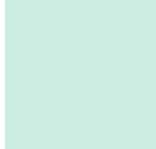
Original Color

65.9873, 85.5011, 85.6985



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.1885, 79.0385, 83.5608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9873, 85.5011, 85.6985 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(169, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 227)  
}
```

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(169, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 227) }
```

Border

The CSS property to change the border of an element to XYZ 65.9873, 85.5011, 85.6985 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(169, 255, 227) }
```


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

```
.border{ border-color:rgb(169, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9873, 85.5011, 85.6985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 227) }
```

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

```
.background{ background-color: rgb(169,  
255, 227) }
```

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