

Converting Colors

XYZ(66.1303, 85.8430, 88.0026)

Have a look what the booklet for
XYZ(66.1303, 85.8430, 88.0026)
contains.

XYZ(65.9793, 85.4487, 87.8787)	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(65.9793, 85.4487,
87.8787)**

Conversions

Conversions Part 1

Format	Color
Hex	A7FFE6
RGB	167, 255, 230
RGB Percent	65%, 100%, 90%
CMY	0.3451, 0.0000, 0.0980
CMYK	0.35, 0.00, 0.10, 0.00
HSL	163°, 100%, 83%
HSV	163°, 35%, 100%
XYZ	65.9793, 85.4487, 87.8787
YIQ	225.8380, -44.4230, -26.4310

Conversions

Conversions Part 2

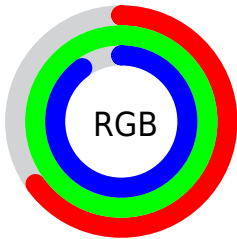
Format	Color
RYB	167, 218, 255
Decimal	11010022
CIELab	94.08, -31.75, 3.58
CIELCh	94, 31.950, 173.574
Yxy	85.4487, 0.2757, 0.3571
Android (android.graphics.Color)	4289200102 (0xFFA7FFE6)
YUV	225.8380, 2.0519, -51.6009
Hunter-Lab	92.4385, -34.3603, 8.3416

Details

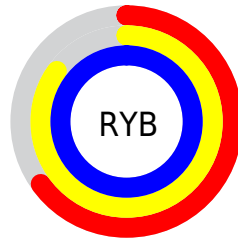
The XYZ color **65.9793, 85.4487, 87.8787** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.5738, 52.7043, 56.6393**, and the grayscale version is **72.1803, 75.9393, 82.6979**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **34.4875, 46.8628, 47.7852** is the 20% darker color. If you saturate the color by 10%, you get **60.1169, 82.5416, 82.4047**, and if you desaturate by 10%, it is **72.9478, 88.9210, 93.6280**.

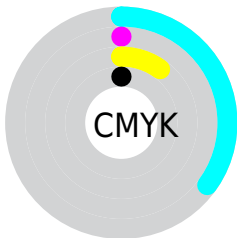
Distribution



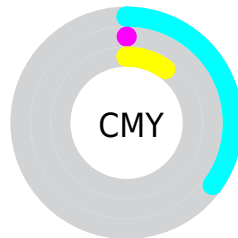
- Red (65%)
- Green (100%)
- Blue (90%)



- 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 65.9793, 85.4487, 87.8787 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 65.9793, 85.4487, 87.8787 by changing the saturation by 10% instead.


 65.9793, 85.4487,
87.8787


 65.9793, 85.4487,
87.8787


435.7927,
513.1116, 541.4969

 48.5232, 64.2122,
65.6588


 112.5145,
140.9999, 146.2979

 34.4544, 46.8226,
47.5408


 142.3244,
176.0834, 183.3344

 23.4074, 32.8954,
33.1060


176.9829,
216.5513, 226.1468

 15.0170, 22.0463,
21.9359

216.8554,
262.7881, 275.1537

 8.9177, 13.8909,
13.6119

262.3073,
315.1782, 330.7736

 4.7442, 8.0449,
7.7156

313.7039,

 2.1312, 4.1237,

374.1058, 393.4251

3.8283

371.4106,
439.9555, 463.5267

0.7061, 1.7430,
1.5317

0.0000, 0.4513,
0.2413

65.9793, 85.4487,
87.8787

65.9793, 85.4487,
87.8787

60.1169, 82.5416,
82.4047

72.9478, 88.9210,
93.6280

55.2948, 80.1660,
77.1960

81.0780, 92.9873,
99.6536

51.4440, 78.2863,
72.2482

90.4245, 97.6757,
105.9620

48.4858, 76.8622,
67.5548

95.0500, 100.0000,
108.9000

■ 46.3290, 75.8465,
63.1087

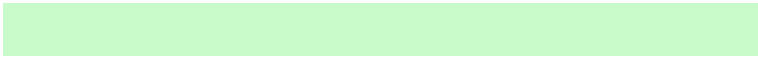
■ 44.8614, 75.1815,
58.9018

■ 44.2615, 74.9206,
56.6883

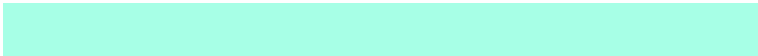
Harmonies

Analogous

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



68.7174, 85.4487, 67.8345



65.9793, 85.4487, 87.8787



67.0878, 85.4487, 113.1248

Triad

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



65.9793, 85.4487, 87.8787



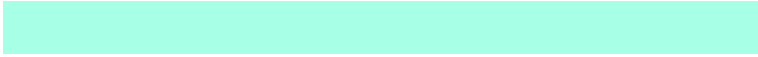
87.9564, 85.4487, 143.0924



91.3533, 85.4487, 60.1214

Complementary

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



65.9793, 85.4487, 87.8787



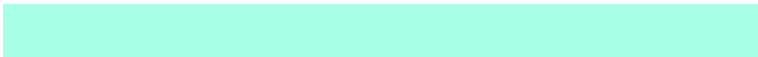
64.5738, 52.7043, 56.6393

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.



97.2012, 85.4487, 75.4839



65.9793, 85.4487, 87.8787



95.1460, 85.4487, 123.8217

Square

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



65.9793, 85.4487, 87.8787



79.3940, 85.4487, 147.9785



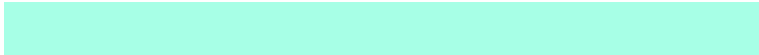
98.6355, 85.4487, 98.3977



83.0665, 85.4487, 53.7219

Rectangle

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



65.9793, 85.4487, 87.8787



69.9004, 85.4487, 129.3312



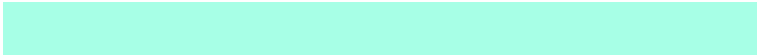
98.6355, 85.4487, 98.3977



93.6922, 85.4487, 64.2637

Sweetspot

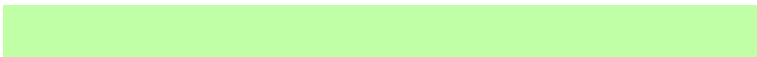
The Sweet Spot groups the original color and five complimentary colors.



65.9802, 85.4491, 87.8801



85.1383, 95.0226, 102.4625



64.8303, 85.7005, 49.6856



17.9465, 20.2000, 21.7425



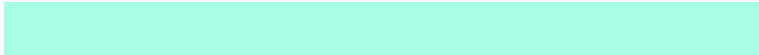
0.0000, 0.0000, 0.0000



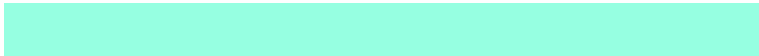
20.3446, 21.4041, 23.3091

Same Dimension

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



65.9802, 85.4491, 87.8801



62.0522, 83.4994, 84.2951



64.3873, 76.2364, 105.9293



18.3219, 20.3883, 21.9980



23.1950, 39.1746, 29.9758



2.3054, 3.8331, 3.1661

Inverse Universe

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



64.5738, 52.7043, 56.6393



60.4718, 46.5180, 49.0521



65.4812, 58.5819, 44.4169



18.2215, 18.0719, 19.7835



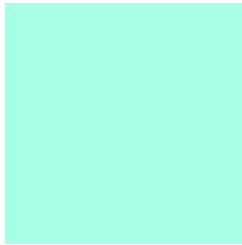
22.2224, 11.3783, 4.5558



2.2082, 1.1257, 0.6779

Previews

White Background



This preview shows how the XYZ color 65.9793, 85.4487, 87.8787 looks on a white background.

Color Contrast Check

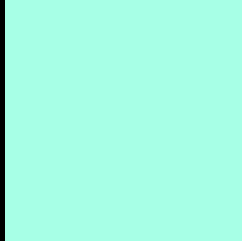
Large Text (above 18pt) WCAG AA × Fail

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 65.9793, 85.4487, 87.8787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

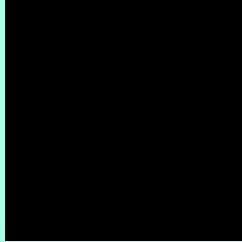
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.9793, 85.4487, 87.8787

Background



This preview shows how black text looks on a background with the XYZ color 65.9793, 85.4487, 87.8787.

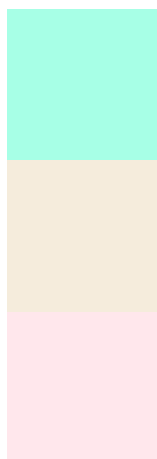


This preview shows how white text looks on a background with the XYZ color 65.9793, 85.4487,

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

65.9793, 85.4487, 87.8787

Protanopia

80.5699, 84.5707, 79.7874

Deuteranopia

84.9562, 84.4680, 91.1832



Tritanopia

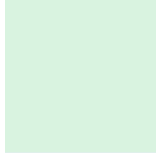
76.1328, 85.1868, 107.0378

Trichromacy



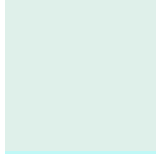
Original Color

65.9793, 85.4487, 87.8787



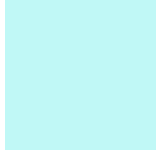
Protanomaly

74.1204, 84.2347, 82.8734



Deuteranomaly

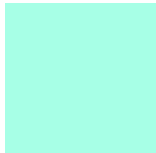
76.4428, 83.9487, 90.0166



Tritanomaly

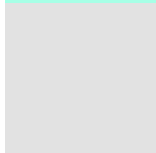
71.9402, 84.9951, 99.8028

Monochromacy



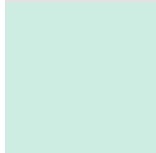
Original Color

65.9793, 85.4487, 87.8787



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.3262, 79.0936, 84.2858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9793, 85.4487, 87.8787 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 230) }
```

Border

The CSS property to change the border of an element to XYZ 65.9793, 85.4487, 87.8787 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, 230) }
```


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

```
.border{ border-color:rgb(167, 255, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(167, 255,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9793, 85.4487, 87.8787 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, 230) }
```

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

```
.background{ background-color: rgb(167,  
255, 230) }
```

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