

# Converting Colors

XYZ(66.1383, 85.8406, 88.0004)

Have a look what the booklet for  
XYZ(66.1383, 85.8406, 88.0004)  
contains.

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# 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

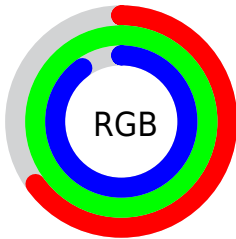
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 218, 255
Decimal	11010022
CIELab	94.08, -31.75, 3.58
CIElCh	94, 31.950, 173.574
Yxy	85.4487, 0.2757, 0.3571
Android (android.graphics.Color)	4289200102 (0xFFA7FFE6)
YUV	225.8380, 2.0519, -51.6009
Hunter-Lab	92.4385, -34.3603, 8.3416

# Details

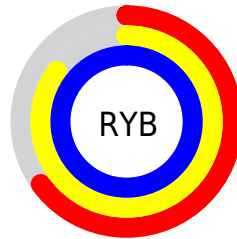
The XYZ color **65.9793, 85.4487, 87.8787** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.5738, 52.7043, 56.6393**, and the grayscale version is **72.1803, 75.9393, 82.6979**.

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**.

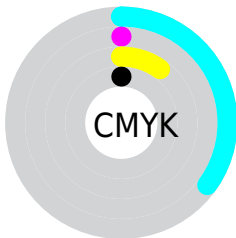
# Distribution



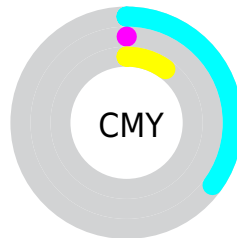
- Red (65%)
- Green (100%)
- Blue (90%)



- 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

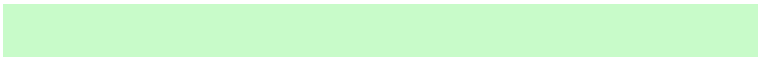
■ 44.8614, 75.1815,  
58.9018

■ 44.2615, 74.9206,  
56.6883

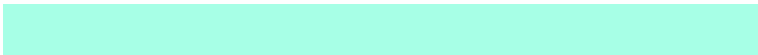
# Harmonies

## Analogous

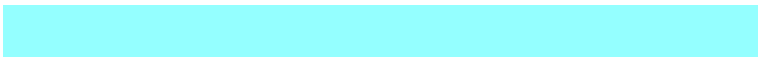
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



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



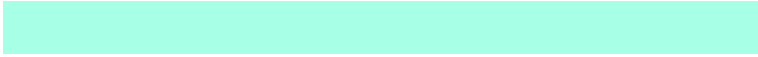
87.9564, 85.4487, 143.0924



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



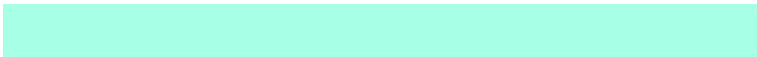
64.5738, 52.7043, 56.6393

# 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



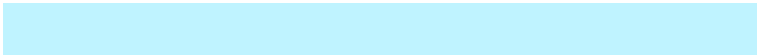
95.1460, 85.4487, 123.8217

# 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

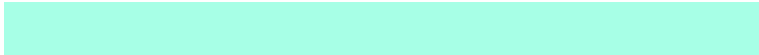


83.0665, 85.4487, 53.7219



# 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



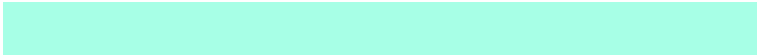
98.6355, 85.4487, 98.3977



93.6922, 85.4487, 64.2637

# Sweetspot

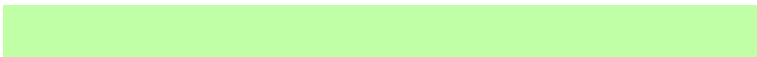
The Sweet Spot groups the original color and five complimentary colors.



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

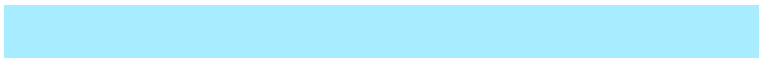
The Same Dimension uses a secret algorithm to generate beautiful new colors.



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

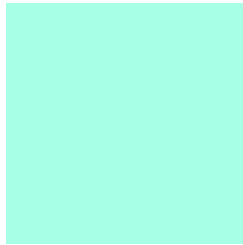


2.2082, 1.1257, 0.6779



# 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

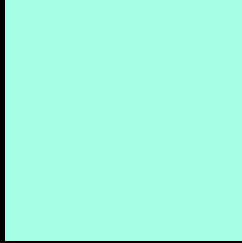
Any Text WCAG AA × Fail

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.



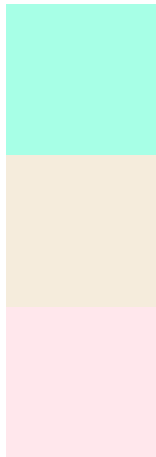
This preview shows how white text looks on a background with the XYZ color 65.9793, 85.4487,



# 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

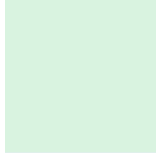
76.1328, 85.1868, 107.0378

# Trichromacy



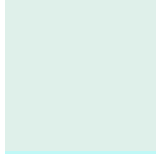
## Original Color

65.9793, 85.4487, 87.8787



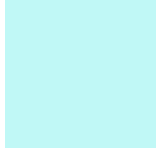
## Protanomaly

74.1204, 84.2347, 82.8734



## Deuteranomaly

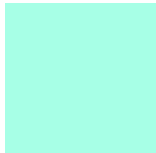
76.4428, 83.9487, 90.0166



## Tritanomaly

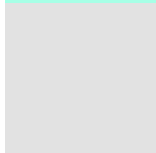
71.9402, 84.9951, 99.8028

# Monochromacy



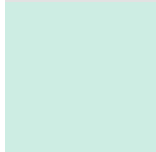
## Original Color

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](#).

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