

Converting Colors

XYZ(66.8194, 85.8092, 91.1949)

Have a look what the booklet for
XYZ(66.8194, 85.8092, 91.1949)
contains.

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Color

**XYZ(66.7597, 85.7853,
90.8815)**

Conversions

Conversions Part 1

Format	Color
Hex	A8FFEA
RGB	168, 255, 234
RGB Percent	66%, 100%, 92%
CMY	0.3412, 0.0000, 0.0823
CMYK	0.34, 0.00, 0.08, 0.00
HSL	166°, 100%, 83%
HSV	166°, 34%, 100%
XYZ	66.7597, 85.7853, 90.8815
YIQ	226.5930, -45.1110, -24.9750

Conversions

Conversions Part 2

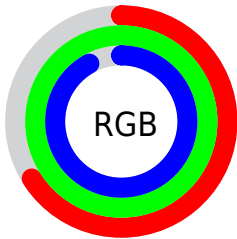
Format	Color
RYB	168, 217, 255
Decimal	11075562
CIELab	94.22, -30.63, 1.73
CIELCh	94, 30.681, 176.772
Yxy	85.7853, 0.2742, 0.3524
Android (android.graphics.Color)	4289265642 (0xFFA8FFEA)
YUV	226.5930, 3.6517, -51.3861
Hunter-Lab	92.6204, -33.4248, 6.6574

Details

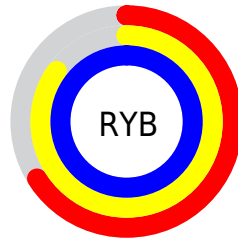
The XYZ color **66.7597, 85.7853, 90.8815** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.4286, 52.9406, 54.9676**, and the grayscale version is **72.7158, 76.5027, 83.3115**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **34.9121, 47.0473, 49.3605** is the 20% darker color. If you saturate the color by 10%, you get **60.9842, 82.9083, 86.0762**, and if you desaturate by 10%, it is **73.6323, 89.2243, 95.9014**.

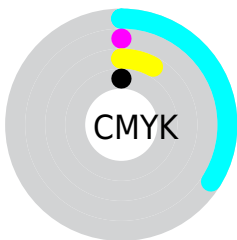
Distribution



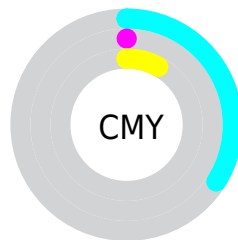
- Red (66%)
- Green (100%)
- Blue (92%)



- Red (66%)
- Yellow (85%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)



- Cyan (34%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.7597, 85.7853, 90.8815 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 66.7597, 85.7853, 90.8815 by changing the saturation by 10% instead.


 66.7597, 85.7853,
90.8815

 66.7597, 85.7853,
90.8815


438.5349,
514.2230, 551.5381

 49.1593, 64.4905,
68.1342


 113.6277,
141.4698, 150.5084

 34.9610, 47.0480,
49.5395


143.6261,
176.6283, 188.2251

 23.7992, 33.0736,
34.6790


178.4879,
217.1768, 231.7686

 15.3086, 22.1828,
23.1342

218.5784,
263.4997, 281.5576

 9.1240, 13.9913,
14.4864

264.2630,
315.9813, 338.0104

 4.8799, 8.1146,
8.3171

315.9070,

 2.2110, 4.1684,

375.0062, 401.5458

4.2079

373.8759,
440.9586, 472.5822

■ 0.7485, 1.7682,
1.7401

■ 0.0000, 0.4672,
0.3880

■ 66.7597, 85.7853,
90.8815

■ 66.7597, 85.7853,
90.8815

■ 60.9842, 82.9083,
86.0762

■ 73.6323, 89.2243,
95.9014

■ 56.2401, 80.5596,
81.4765

■ 81.6567, 93.2535,
101.1357

■ 52.4591, 78.7038,
77.0791

■ 90.8877, 97.9011,
106.5899

■ 49.5630, 77.3008,
72.8785

95.0500, 100.0000,
108.9000

■ 47.4614, 76.3039,
68.8689

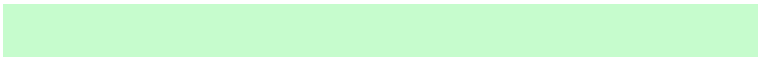
■ 46.0434, 75.6561,
65.0434

■ 45.4361, 75.3904,
62.8737

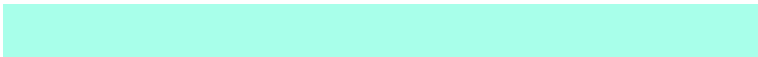
Harmonies

Analogous

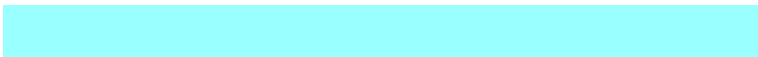
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.0233, 85.7853, 70.7437



66.7597, 85.7853, 90.8815



68.2305, 85.7853, 115.3021

Triad

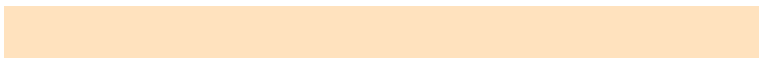
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.7597, 85.7853, 90.8815



88.8610, 85.7853, 139.8985



90.5024, 85.7853, 60.4425

Complementary

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



66.7597, 85.7853, 90.8815



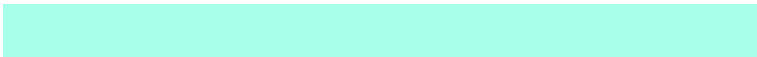
64.4286, 52.9406, 54.9676

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.



96.4685, 85.7853, 74.4731



66.7597, 85.7853, 90.8815



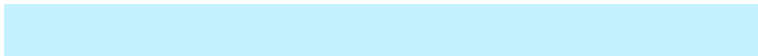
95.4770, 85.7853, 120.4539

Square

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



66.7597, 85.7853, 90.8815



80.6502, 85.7853, 146.2468



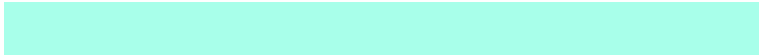
98.3468, 85.7853, 95.9760



82.4290, 85.7853, 55.1263

Rectangle

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



66.7597, 85.7853, 90.8815



71.1886, 85.7853, 130.3997



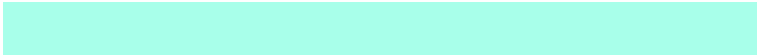
98.3468, 85.7853, 95.9760



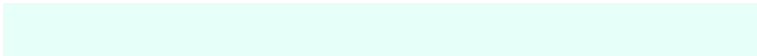
92.8411, 85.7853, 64.1672

Sweetspot

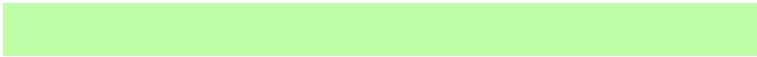
The Sweet Spot groups the original color and five complimentary colors.



66.7606, 85.7858, 90.8830



85.3076, 95.0903, 103.3540



64.0015, 85.2625, 50.1313



17.9876, 20.2165, 21.9590



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

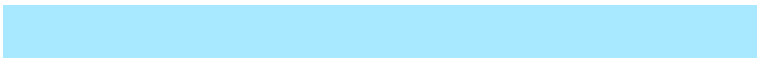
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.7606, 85.7858, 90.8830



62.6706, 83.7468, 87.5518



63.4090, 73.9651, 105.5424



18.3564, 20.4021, 22.1797



23.8031, 39.4178, 33.1778



2.3604, 3.8551, 3.4554

Inverse Universe

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



64.4286, 52.9406, 54.9676



60.0236, 46.3387, 46.6917



66.6680, 60.8069, 45.2704



18.1891, 18.0589, 19.6129



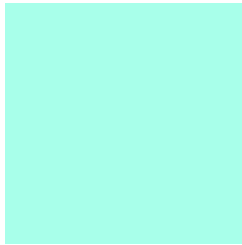
22.0451, 11.3073, 3.6221



2.1871, 1.1172, 0.5669

Previews

White Background



This preview shows how the XYZ color 66.7597, 85.7853, 90.8815 looks on a white background.

Color Contrast Check

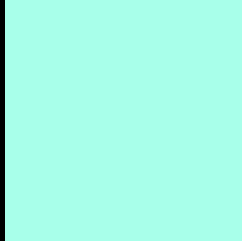
Large Text (above 18pt) WCAG AA × Fail

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 66.7597, 85.7853, 90.8815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

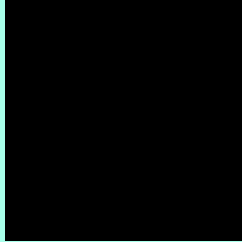
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

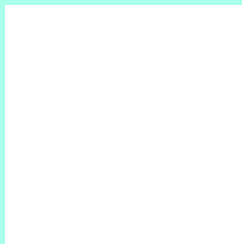
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.7597, 85.7853, 90.8815

Background



This preview shows how black text looks on a background with the XYZ color 66.7597, 85.7853, 90.8815.



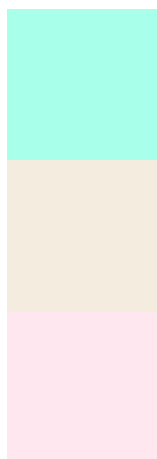
This preview shows how white text looks on a background with the XYZ color 66.7597, 85.7853,

90.8815.

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

66.7597, 85.7853, 90.8815

Protanopia

81.1062, 84.7852, 82.6114

Deuteranopia

85.3959, 84.6438, 93.4984



Tritanopia

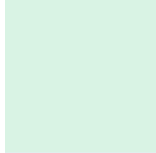
76.4131, 85.3313, 107.0509

Trichromacy



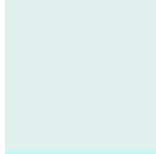
Original Color

66.7597, 85.7853, 90.8815



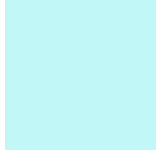
Protanomaly

74.6695, 84.4543, 85.7646



Deuteranomaly

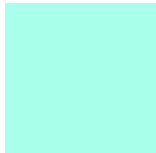
76.8776, 84.1226, 92.3062



Tritanomaly

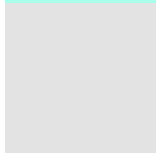
72.3482, 85.1877, 100.6254

Monochromacy



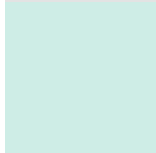
Original Color

66.7597, 85.7853, 90.8815



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.0207, 79.4034, 86.4988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7597, 85.7853, 90.8815 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(168, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 234)  
}
```

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(168, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 234) }
```

Border

The CSS property to change the border of an element to XYZ 66.7597, 85.7853, 90.8815 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(168, 255, 234) }
```


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

```
.border{ border-color:rgb(168, 255, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 255, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7597, 85.7853, 90.8815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 234) }
```

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

```
.background{ background-color: rgb(168,  
255, 234) }
```

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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