

Converting Colors

XYZ(68.8025, 86.6544, 99.2884)

Have a look what the booklet for
XYZ(68.8025, 86.6544, 99.2884)
contains.

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Color

**XYZ(68.8190, 86.6586,
99.4858)**

Conversions

Conversions Part 1

Format	Color
Hex	AAFF5
RGB	170, 255, 245
RGB Percent	67%, 100%, 96%
CMY	0.3333, 0.0000, 0.0392
CMYK	0.33, 0.00, 0.04, 0.00
HSL	173°, 100%, 83%
HSV	173°, 33%, 100%
XYZ	68.8190, 86.6586, 99.4858
YIQ	228.4450, -47.4500, -21.1300

Conversions

Conversions Part 2

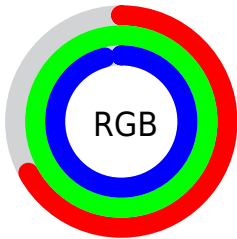
Format	Color
RYB	170, 215, 255
Decimal	11206645
CIELab	94.59, -27.72, -3.39
CIElCh	95, 27.922, 186.982
Yxy	86.6586, 0.2699, 0.3399
Android (android.graphics.Color)	4289396725 (0xFFFAAFF5)
YUV	228.4450, 8.1616, -51.2563
Hunter-Lab	93.0906, -30.9490, 1.8003

Details

The XYZ color **68.8190, 86.6586, 99.4858** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **63.8538, 53.3061, 50.1046**, and the grayscale version is **74.0357, 77.8913, 84.8236**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **36.3188, 47.6397, 55.4253** is the 20% darker color. If you saturate the color by 10%, you get **63.3771, 83.9057, 96.8612**, and if you desaturate by 10%, it is **75.3395, 89.9667, 102.2025**.

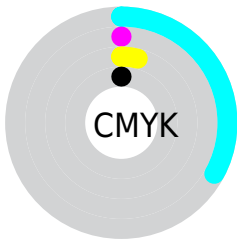
Distribution



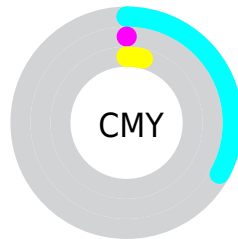
- Red (67%)
- Green (100%)
- Blue (96%)



- Red (67%)
- Yellow (84%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.8190, 86.6586, 99.4858 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 68.8190, 86.6586, 99.4858 by changing the saturation by 10% instead.


 68.8190, 86.6586,
99.4858

 68.8190, 86.6586,
99.4858

445.7237,
517.1004, 579.7754

 50.8404, 65.2127,
75.2567


 116.5585,
142.6882, 162.4961

 36.3022, 47.6336,
55.3202


147.0501,
178.0407, 202.1143

 24.8388, 33.5368,
39.2578


182.4435,
218.7975, 247.6994

 16.0851, 22.5380,
26.6510

223.1039,
265.3431, 299.6698

 9.6756, 14.2527,
17.0812

269.3968,
318.0617, 358.4440

 5.2450, 8.2967,
10.1298

321.6875,

 2.4280, 4.2854,

377.3379, 424.4407

5.3784

380.3414,
443.5560, 498.0783

0.8591, 1.8344,
2.4083

0.0000, 0.5085,
0.7910

68.8190, 86.6586,
99.4858

68.8190, 86.6586,
99.4858

63.3771, 83.9057,
96.8612

75.3395, 89.9667,
102.2025

58.9486, 81.6743,
94.3212

82.9926, 93.8578,
105.0098

55.4661, 79.9298,
91.8638

91.8324, 98.3598,
107.9116

52.8526, 78.6325,
89.4853

95.0500, 100.0000,
108.9000

■ 51.0190, 77.7363,
87.1813

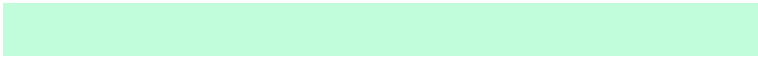
■ 49.8569, 77.1855,
84.9466

■ 49.3512, 76.9565,
83.4901

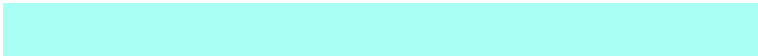
Harmonies

Analogous

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



69.7502, 86.6586, 79.0585



68.8190, 86.6586, 99.4858



71.3370, 86.6586, 121.5539

Triad

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



68.8190, 86.6586, 99.4858



91.3838, 86.6586, 131.4936



88.1565, 86.6586, 61.1158

Complementary

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



68.8190, 86.6586, 99.4858



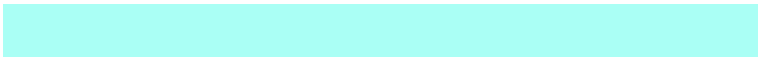
63.8538, 53.3061, 50.1046

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.



94.4778, 86.6586, 71.5524



68.8190, 86.6586, 99.4858



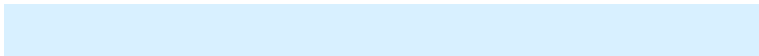
96.4190, 86.6586, 111.5106

Square

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



68.8190, 86.6586, 99.4858



84.1385, 86.6586, 141.7712



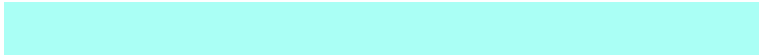
97.5844, 86.6586, 89.4066



80.6194, 86.6586, 58.9026

Rectangle

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



68.8190, 86.6586, 99.4858



74.7287, 86.6586, 133.5566



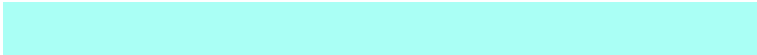
97.5844, 86.6586, 89.4066



90.5075, 86.6586, 63.6920

Sweetspot

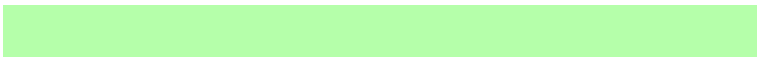
The Sweet Spot groups the original color and five complimentary colors.



68.8200, 86.6591, 99.4873



85.8036, 95.2887, 105.9660



62.1511, 84.2869, 51.0253



18.1083, 20.2647, 22.5945



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

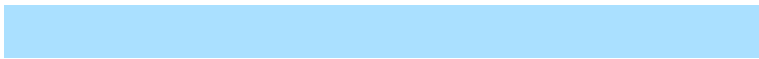
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.8200, 86.6591, 99.4873



65.0748, 84.7635, 97.7265



61.2396, 68.9889, 104.6963



18.4574, 20.4425, 22.7117



25.8236, 40.2260, 43.8180



2.5393, 3.9266, 4.3977

Inverse Universe

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



63.8538, 53.3061, 50.1046



59.4226, 46.7590, 41.4900



69.4221, 66.0145, 47.1151



18.0963, 18.0218, 19.1241



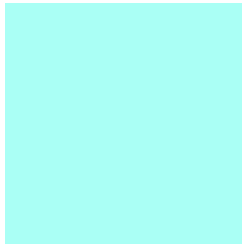
21.6984, 11.1687, 1.7966



2.1392, 1.0981, 0.3145

Previews

White Background



This preview shows how the XYZ color 68.8190, 86.6586, 99.4858 looks on a white background.

Color Contrast Check

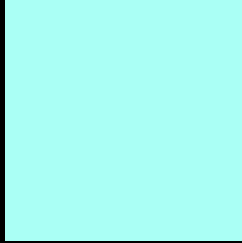
Large Text (above 18pt) WCAG AA × Fail

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 68.8190, 86.6586, 99.4858 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 68.8190, 86.6586, 99.4858

Background



This preview shows how black text looks on a background with the XYZ color 68.8190, 86.6586, 99.4858.



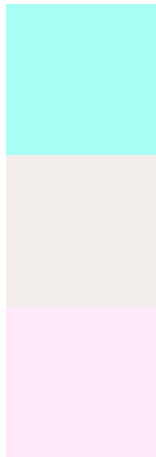
This preview shows how white text looks on a background with the XYZ color 68.8190, 86.6586,

99.4858.

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

68.8190, 86.6586, 99.4858

Protanopia

82.2417, 85.6212, 90.7892

Deuteranopia

87.1955, 85.8128, 101.5904



Tritanopia

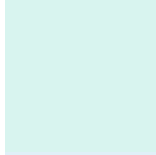
77.5664, 86.3737, 107.1913

Trichromacy



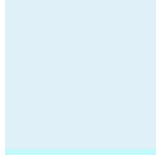
Original Color

68.8190, 86.6586, 99.4858



Protanomaly

76.2496, 85.5323, 94.1520



Deuteranomaly

78.8438, 84.9448, 101.0474



Tritanomaly

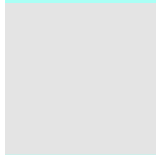
74.0532, 86.4522, 104.0507

Monochromacy



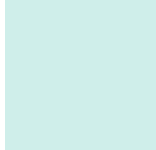
Original Color

68.8190, 86.6586, 99.4858



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.1579, 80.3550, 89.6015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8190, 86.6586, 99.4858 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(170, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(170, 255, 245)  
}
```

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(170, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 255, 245) }
```

Border

The CSS property to change the border of an element to XYZ 68.8190, 86.6586, 99.4858 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(170, 255, 245) }
```


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

```
.border{ border-color:rgb(170, 255, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(170, 255,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8190, 86.6586, 99.4858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 255, 245) }
```

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

```
.background{ background-color: rgb(170,  
255, 245) }
```

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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