

Converting Colors

XYZ(68.3144, 84.5931,
107.3353)

Have a look what the booklet for
XYZ(68.3144, 84.5931, 107.3353)
contains.

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Color

**XYZ(68.3775, 84.8401,
107.3797)**

Conversions

Conversions Part 1

Format	Color
Hex	A5FCFF
RGB	165, 252, 255
RGB Percent	65%, 99%, 100%
CMY	0.3529, 0.0117, 0.0000
CMYK	0.35, 0.01, 0.00, 0.00
HSL	182°, 100%, 82%
HSV	182°, 35%, 100%
XYZ	68.3775, 84.8401, 107.3797
YIQ	226.3290, -52.8150, -17.5110

Conversions

Conversions Part 2

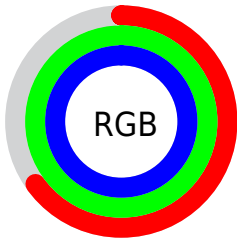
Format	Color
R _Y B	165, 209, 255
Decimal	10878207
CIE Lab	93.81, -25.32, -9.74
CIE LCh	94, 27.128, 201.042
Yxy	84.8401, 0.2624, 0.3256
Android (android.graphics.Color)	4289068287 (0xFFA5FCFF)
YUV	226.3290, 14.1348, -53.7855
Hunter-Lab	92.1087, -28.6795, -4.6438

Details

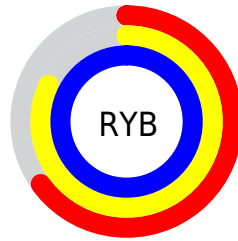
The XYZ color **68.3775, 84.8401, 107.3797** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.0346, 51.9820, 42.3633**, and the grayscale version is **72.4570, 76.2304, 83.0149**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **35.8925, 46.2956, 60.4703** is the 20% darker color. If you saturate the color by 10%, you get **63.3277, 81.8441, 107.0675**, and if you desaturate by 10%, it is **74.4903, 88.3901, 107.7427**.

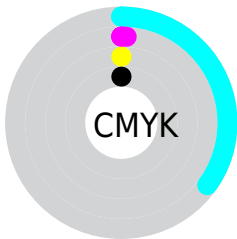
Distribution



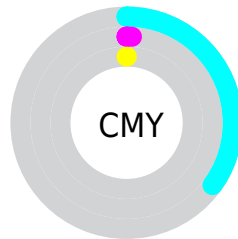
- Red (65%)
- Green (99%)
- Blue (100%)



- Red (65%)
- Yellow (82%)
- Blue (100%)



- Cyan (35%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (35%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.3775, 84.8401, 107.3797 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 68.3775, 84.8401, 107.3797 by changing the saturation by 10% instead.


 68.3775, 84.8401,
107.3797


 68.3775, 84.8401,
107.3797


444.1881,
511.0988, 605.0500

 50.4797, 63.7093,
81.8266


 115.9310,
140.1497, 173.4022

 36.0141, 46.4152,
60.6877


 146.3173,
175.0974, 214.7087

 24.6152, 32.5736,
43.5442

181.5973,
215.4193, 262.1035

 15.9178, 21.8000,
29.9778

222.1362,
261.5001, 316.0051

 9.5565, 13.7100,
19.5698

268.2994,
313.7240, 376.8320

 5.1659, 7.9193,
11.9018

320.4522,

 2.3807, 4.0433,

372.4755, 445.0027

6.5551

378.9600,
438.1390, 520.9359

■ 0.8355, 1.6978,
3.1113

■ 0.0000, 0.4223,
1.1517

■ 68.3775, 84.8401,
107.3797

■ 68.3775, 84.8401,
107.3797

■ 63.3277, 81.8441,
107.0675

■ 74.4903, 88.3901,
107.7427

■ 59.2710, 79.3597,
106.8018

■ 81.7175, 92.5142,
108.1578

■ 56.1398, 77.3542,
106.5797

■ 90.1149, 97.2434,
108.6280

■ 53.8552, 75.7869,
106.3976

95.0500, 100.0000,
108.9000

■ 52.3249, 74.6102,
106.2511

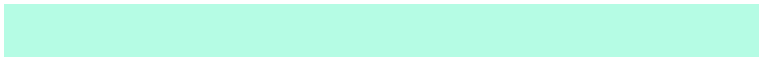
■ 51.4354, 73.7656,
106.1350

■ 51.1617, 73.4434,
106.0872

Harmonies

Analogous

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



67.7030, 84.8401, 86.3304



68.3775, 84.8401, 107.3797



72.2308, 84.8401, 126.8216

Triad

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



68.3775, 84.8401, 107.3797



91.9070, 84.8401, 119.6596



82.8162, 84.8401, 58.4425

Complementary

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



68.3775, 84.8401, 107.3797



62.0346, 51.9820, 42.3633

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.



89.6734, 84.8401, 64.8118



68.3775, 84.8401, 107.3797



95.1237, 84.8401, 98.6984

Square

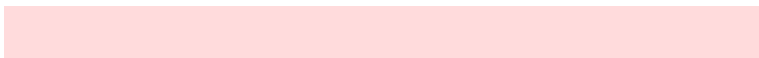
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



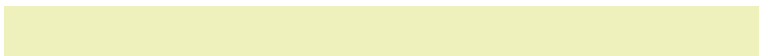
68.3775, 84.8401, 107.3797



85.7193, 84.8401, 134.6135



94.2828, 84.8401, 78.8401



75.7615, 84.8401, 60.0514

Rectangle

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



68.3775, 84.8401, 107.3797



76.2170, 84.8401, 135.2494



94.2828, 84.8401, 78.8401



85.2267, 84.8401, 59.6815

Sweetspot

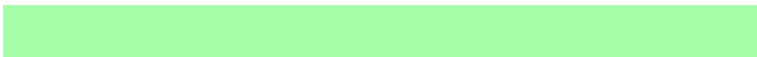
The Sweet Spot groups the original color and five complimentary colors.



68.3797, 84.8433, 107.3802



85.1756, 94.4685, 108.3527



58.2073, 82.2915, 49.1354



17.9922, 20.0854, 23.1785



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

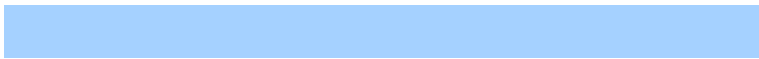
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.3797, 84.8433, 107.3802



64.8779, 82.7730, 107.1651



56.2465, 60.5769, 103.3357



18.5000, 20.3716, 23.2070



26.7562, 38.4220, 55.4406



2.6208, 3.7723, 5.4033

Inverse Universe

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



72.2673, 55.2004, 98.9449



69.2955, 49.4010, 97.5098



71.4511, 70.8152, 45.5022



18.7650, 18.2893, 22.6457



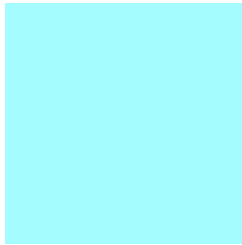
30.2935, 14.6067, 47.0575



2.9575, 1.4254, 4.6233

Previews

White Background



This preview shows how the XYZ color 68.3775, 84.8401, 107.3797 looks on a white background.

Color Contrast Check

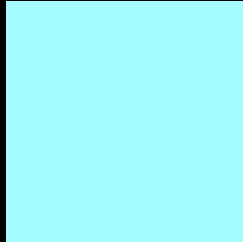
Large Text (above 18pt) WCAG AA × Fail

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 68.3775, 84.8401, 107.3797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

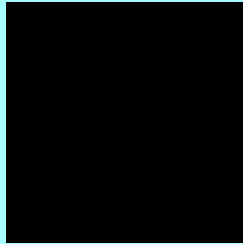
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.3775, 84.8401, 107.3797

Background



This preview shows how black text looks on a background with the XYZ color 68.3775, 84.8401, 107.3797.

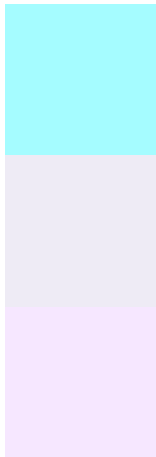


This preview shows how white text looks on a background with the XYZ color 68.3775, 84.8401,

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

68.3775, 84.8401, 107.3797

Protanopia

81.4497, 84.1864, 98.3429

Deuteranopia

84.6319, 83.9647, 106.3540



Tritanopia

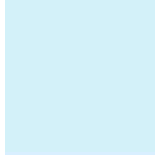
75.0293, 84.6179, 106.9862

Trichromacy



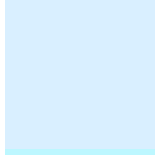
Original Color

68.3775, 84.8401, 107.3797



Protanomaly

75.4181, 83.5990, 101.7838



Deuteranomaly

77.5318, 83.7047, 106.6780



Tritanomaly

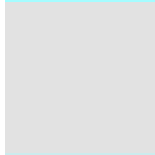
72.2970, 84.5603, 107.1191

Monochromacy



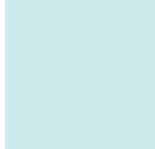
Original Color

68.3775, 84.8401, 107.3797



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.8962, 78.3685, 91.5635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3775, 84.8401, 107.3797 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(165, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 252, 255)  
}
```

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(165, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.3775, 84.8401, 107.3797 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(165, 252, 255) }
```


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

```
.border{ border-color:rgb(165, 252, 255) }
```

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

Here you see how a box with a 4 pixel rgb(165, 252, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3775, 84.8401, 107.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 252, 255) }
```

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

```
.background{ background-color: rgb(165,  
252, 255) }
```

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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