

Converting Colors

XYZ(104.5983, 100.0000,
297.2916)

Have a look what the booklet for
XYZ(104.5983, 100.0000, 297.2916)
contains.

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Color

**XYZ(68.4851, 85.3631,
107.4749)**

Conversions

Conversions Part 1

Format	Color
Hex	A4FDFF
RGB	164, 253, 255
RGB Percent	64%, 99%, 100%
CMY	0.3568, 0.0078, 0.0000
CMYK	0.36, 0.01, 0.00, 0.00
HSL	181°, 100%, 82%
HSV	181°, 36%, 100%
XYZ	68.4851, 85.3631, 107.4749
YIQ	226.6170, -53.6860, -18.2460

Conversions

Conversions Part 2

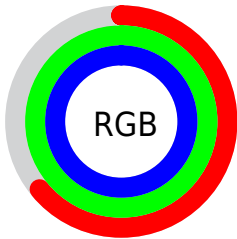
Format	Color
RYB	164, 209, 255
Decimal	10812927
CIELab	94.04, -26.06, -9.41
CIELCh	94, 27.703, 199.860
Yxy	85.3631, 0.2621, 0.3267
Android (android.graphics.Color)	4289003007 (0xFFA4FDFF)
YUV	226.6170, 13.9928, -54.9151
Hunter-Lab	92.3922, -29.3743, -4.2944

Details

The XYZ color **68.4851, 85.3631, 107.4749** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **61.5773, 51.2126, 41.7633**, and the grayscale version is **72.6671, 76.4514, 83.2556**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **35.9964, 46.6829, 60.5396** is the 20% darker color. If you saturate the color by 10%, you get **63.5652, 82.5672, 107.1946**, and if you desaturate by 10%, it is **74.4650, 88.7104, 107.8058**.

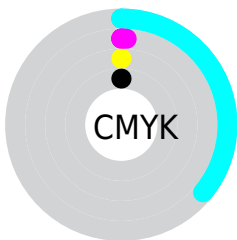
Distribution



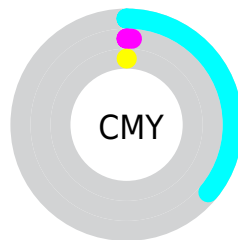
- Red (64%)
- Green (99%)
- Blue (100%)



- Red (64%)
- Yellow (82%)
- Blue (100%)



- Cyan (36%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4851, 85.3631, 107.4749 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 68.4851, 85.3631, 107.4749 by changing the saturation by 10% instead.

68.4851, 85.3631,
107.4749

68.4851, 85.3631,
107.4749

444.5627,
512.8288, 605.3514

50.5676, 64.1414,
81.9061

116.0839,
140.8804, 173.5332

36.0842, 46.7652,
60.7528

146.4960,
175.9448, 214.8598

24.6697, 32.8501,
43.5964

181.8036,
216.3922, 262.2761

15.9585, 22.0116,
30.0185

222.3722,
262.6071, 316.2006

9.5855, 13.8655,
19.6004

268.5670,
314.9738, 377.0518

5.1851, 8.0271,
11.9238

320.7534,

2.3922, 4.1123,

373.8767, 445.2483

6.5699

379.2969,
439.7002, 521.2087

■ 0.8412, 1.7366,
3.1203

■ 0.0000, 0.4472,
1.1564

■ 68.4851, 85.3631,
107.4749

■ 68.4851, 85.3631,
107.4749

■ 63.5652, 82.5672,
107.1946

■ 74.4650, 88.7104,
107.8058

■ 59.6352, 80.2803,
106.9603

■ 81.5563, 92.6293,
108.1885

■ 56.6271, 78.4694,
106.7693

■ 89.8151, 97.1509,
108.6260

■ 54.4615, 77.0937,
106.6179

95.0500, 100.0000,
108.9000

■ 53.0458, 76.1052,
106.5017

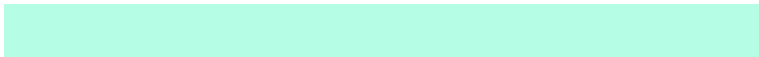
■ 52.2649, 75.4448,
106.4154

■ 52.0520, 75.2240,
106.3840

Harmonies

Analogous

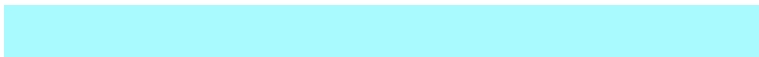
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.9298, 85.3631, 85.9603



68.4851, 85.3631, 107.4749



72.3110, 85.3631, 127.6748

Triad

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



68.4851, 85.3631, 107.4749



92.4956, 85.3631, 121.7416



83.6639, 85.3631, 58.3517

Complementary

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



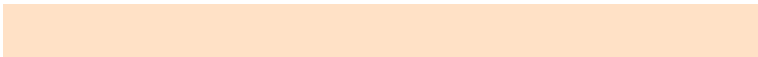
68.4851, 85.3631, 107.4749



61.5773, 51.2126, 41.7633

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.



90.6493, 85.3631, 65.1657



68.4851, 85.3631, 107.4749



95.9495, 85.3631, 100.3001

Square

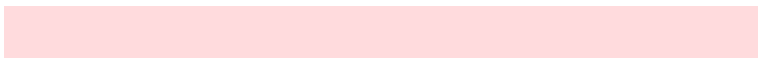
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



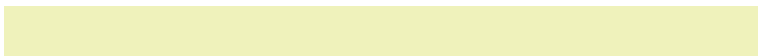
68.4851, 85.3631, 107.4749



86.0611, 85.3631, 136.7393



95.2541, 85.3631, 79.7891



76.4007, 85.3631, 59.6705

Rectangle

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



68.4851, 85.3631, 107.4749



76.3378, 85.3631, 136.6510



95.2541, 85.3631, 79.7891



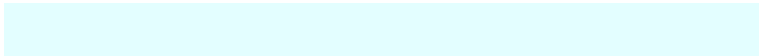
86.1292, 85.3631, 59.7213

Sweetspot

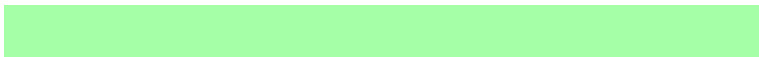
The Sweet Spot groups the original color and five complimentary colors.



68.4874, 85.3664, 107.4754



85.2769, 94.6709, 108.3865



57.9096, 82.1485, 48.6503



18.0166, 20.1341, 23.1866



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.



68.4874, 85.3664, 107.4754



64.7866, 83.2670, 107.2653



55.9129, 60.2175, 103.2840



18.5187, 20.4090, 23.2132



27.2138, 39.3371, 55.5931



2.6601, 3.8510, 5.4164

Inverse Universe

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



72.2465, 54.9044, 99.7221



69.0842, 48.6840, 98.3469



71.2400, 70.5382, 44.9842



18.7745, 18.2931, 22.6955



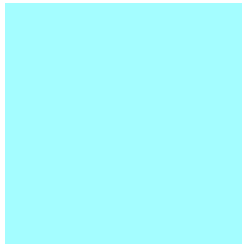
30.5244, 14.6991, 48.2736



2.9773, 1.4333, 4.7280

Previews

White Background



This preview shows how the XYZ color 68.4851, 85.3631, 107.4749 looks on a white background.

Color Contrast Check

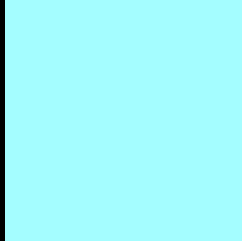
Large Text (above 18pt) WCAG AA × Fail

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 68.4851, 85.3631, 107.4749 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 68.4851, 85.3631, 107.4749

Background



This preview shows how black text looks on a background with the XYZ color 68.4851, 85.3631, 107.4749.

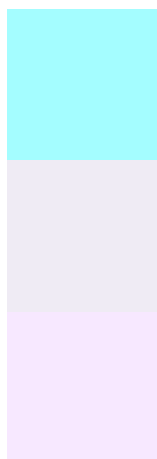


This preview shows how white text looks on a background with the XYZ color 68.4851, 85.3631,

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

68.4851, 85.3631, 107.4749

Protanopia

81.6341, 84.2990, 97.5567

Deuteranopia

85.2644, 84.7074, 106.4640



Tritanopia

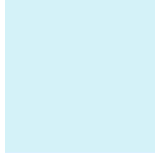
75.5775, 84.9005, 107.0118

Trichromacy



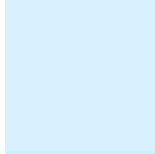
Original Color

68.4851, 85.3631, 107.4749



Protanomaly

75.8468, 84.2786, 101.0768



Deuteranomaly

77.8254, 84.2919, 106.7759



Tritanomaly

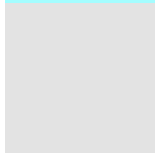
72.5460, 84.6887, 107.1307

Monochromacy



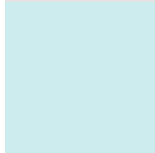
Original Color

68.4851, 85.3631, 107.4749



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.1834, 78.9427, 91.6592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4851, 85.3631, 107.4749 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(164, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 253, 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(164, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.4851, 85.3631, 107.4749 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(164, 253, 255) }
```


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

```
.border{ border-color:rgb(164, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 253,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4851, 85.3631, 107.4749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 253, 255) }
```

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

```
.background{ background-color: rgb(164,  
253, 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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