

Converting Colors

XYZ(85.1198, 92.7150,
193.8707)

Have a look what the booklet for
XYZ(85.1198, 92.7150, 193.8707)
contains.

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Color

**XYZ(68.5961, 85.8902,
107.5708)**

Conversions

Conversions Part 1

Format	Color
Hex	A3FEFF
RGB	163, 254, 255
RGB Percent	64%, 100%, 100%
CMY	0.3608, 0.0039, 0.0000
CMYK	0.36, 0.00, 0.00, 0.00
HSL	181°, 100%, 82%
HSV	181°, 36%, 100%
XYZ	68.5961, 85.8902, 107.5708
YIQ	226.9050, -54.5570, -18.9810

Conversions

Conversions Part 2

Format	Color
RYB	163, 209, 255
Decimal	10747647
CIELab	94.27, -26.79, -9.08
CIElCh	94, 28.285, 198.726
Yxy	85.8902, 0.2618, 0.3278
Android (android.graphics.Color)	4288937727 (0xFFA3FEFF)
YUV	226.9050, 13.8508, -56.0447
Hunter-Lab	92.6770, -30.0655, -3.9444

Details

The XYZ color **68.5961, 85.8902, 107.5708** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **61.1266, 50.4552, 41.1694**, and the grayscale version is **72.8776, 76.6729, 83.4968**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **36.1032, 47.0739, 60.6094** is the 20% darker color. If you saturate the color by 10%, you get **63.8051, 83.2926, 107.3219**, and if you desaturate by 10%, it is **74.4443, 89.0373, 107.8700**.

Distribution



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



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5961, 85.8902, 107.5708 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 68.5961, 85.8902, 107.5708 by changing the saturation by 10% instead.

68.5961, 85.8902,
107.5708

68.5961, 85.8902,
107.5708

444.9488,
514.5691, 605.6549

50.6583, 64.5772,
81.9861

116.2417,
141.6163, 173.6652

36.1567, 47.1183,
60.8183

146.6803,
176.7981, 215.0120

24.7259, 33.1292,
43.6490

182.0164,
217.3716, 262.4499

16.0006, 22.2254,
30.0595

222.6155,
263.7213, 316.3975

9.6154, 14.0226,
19.6313

268.8430,
316.2315, 377.2732

5.2050, 8.1364,
11.9459

321.0641,

2.4040, 4.1824,

375.2866, 445.4957

6.5848

379.6443,
441.2710, 521.4834

■ 0.8471, 1.7761,
3.1293

■ 0.0000, 0.4722,
1.1610

■ 68.5961, 85.8902,
107.5708

■ 68.5961, 85.8902,
107.5708

■ 63.8051, 83.2926,
107.3219

■ 74.4443, 89.0373,
107.8700

■ 60.0010, 81.2018,
107.1189

■ 81.4014, 92.7541,
108.2208

■ 57.1155, 79.5847,
106.9588

■ 89.5236, 97.0717,
108.6260

■ 55.0687, 78.4002,
106.8381

95.0500, 100.0000,
108.9000

■ 53.7674, 77.6002,
106.7522

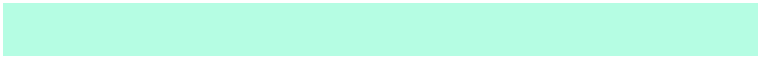
■ 53.0953, 77.1248,
106.6959

■ 52.9361, 76.9921,
106.6787

Harmonies

Analogous

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



68.1605, 85.8902, 85.5944



68.5961, 85.8902, 107.5708



72.3941, 85.8902, 128.5296

Triad

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



68.5961, 85.8902, 107.5708



93.0872, 85.8902, 123.8457



84.5187, 85.8902, 58.2664

Complementary

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



68.5961, 85.8902, 107.5708



61.1266, 50.4552, 41.1694

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.



91.6329, 85.8902, 65.5257



68.5961, 85.8902, 107.5708



96.7801, 85.8902, 101.9200

Square

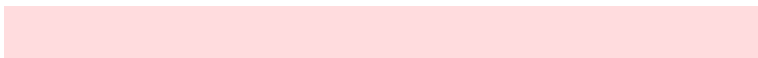
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.5961, 85.8902, 107.5708



86.4052, 85.8902, 138.8832



96.2320, 85.8902, 80.7490



77.0457, 85.8902, 59.2967

Rectangle

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



68.5961, 85.8902, 107.5708



76.4613, 85.8902, 138.0585



96.2320, 85.8902, 80.7490



87.0392, 85.8902, 59.7665

Sweetspot

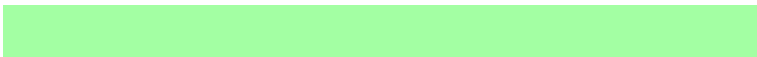
The Sweet Spot groups the original color and five complimentary colors.



68.5984, 85.8935, 107.5713



85.3760, 94.8693, 108.4195



57.4763, 81.9515, 47.4412



18.0404, 20.1817, 23.1946



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

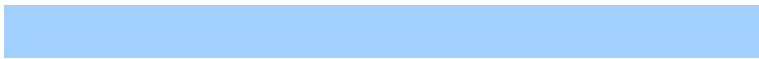
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.5984, 85.8935, 107.5713



65.1715, 84.0369, 107.3936



55.9561, 60.6089, 103.3572



18.5371, 20.4457, 23.2194



27.6680, 40.2455, 55.7445



2.6992, 3.9290, 5.4294

Inverse Universe

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



72.2280, 54.6119, 100.5041



69.2785, 48.7617, 99.3700



70.6522, 69.5064, 44.3446



18.7837, 18.2968, 22.7442



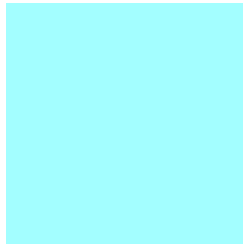
30.7537, 14.7908, 49.4810



2.9970, 1.4412, 4.8317

Previews

White Background



This preview shows how the XYZ color 68.5961, 85.8902, 107.5708 looks on a white background.

Color Contrast Check

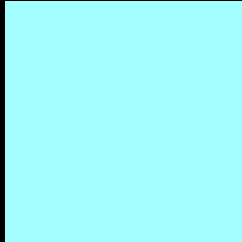
Large Text (above 18pt) WCAG AA × Fail

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 68.5961, 85.8902, 107.5708 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 68.5961, 85.8902, 107.5708

Background



This preview shows how black text looks on a background with the XYZ color 68.5961, 85.8902, 107.5708.



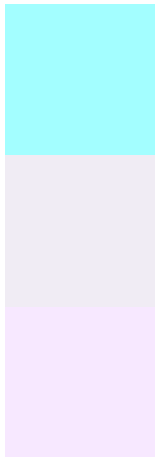
This preview shows how white text looks on a background with the XYZ color 68.5961, 85.8902,

107.5708.

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

68.5961, 85.8902, 107.5708

Protanopia

82.2598, 85.0478, 97.6683

Deuteranopia

85.2644, 84.7074, 106.4640



Tritanopia

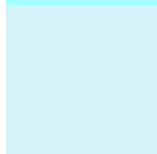
75.8543, 85.0432, 107.0248

Trichromacy



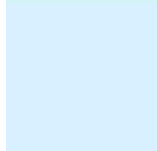
Original Color

68.5961, 85.8902, 107.5708



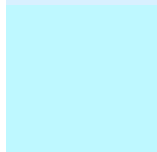
Protanomaly

76.1452, 84.8755, 101.1763



Deuteranomaly

77.5290, 84.1391, 106.7620



Tritanomaly

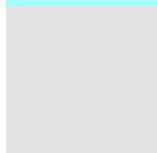
72.8526, 85.3020, 107.2329

Monochromacy



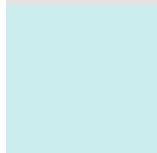
Original Color

68.5961, 85.8902, 107.5708



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.4721, 79.5202, 91.7554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5961, 85.8902, 107.5708 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(163, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 254, 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(163, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 254, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.5961, 85.8902, 107.5708 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(163, 254, 255) }
```


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

```
.border{ border-color:rgb(163, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 254,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5961, 85.8902, 107.5708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 254, 255) }
```

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

```
.background{ background-color: rgb(163,  
254, 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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