

Converting Colors

XYZ(68.3103, 86.3283,
102.5361)

Have a look what the booklet for
XYZ(68.3103, 86.3283, 102.5361)
contains.

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Color

**XYZ(68.3759, 86.3589,
102.6877)**

Conversions

Conversions Part 1

Format	Color
Hex	A5FFF9
RGB	165, 255, 249
RGB Percent	65%, 100%, 98%
CMY	0.3529, 0.0000, 0.0235
CMYK	0.35, 0.00, 0.02, 0.00
HSL	176°, 100%, 82%
HSV	176°, 35%, 100%
XYZ	68.3759, 86.3589, 102.6877
YIQ	227.4060, -51.7140, -20.9460

Conversions

Conversions Part 2

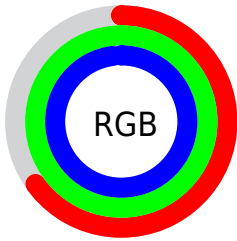
Format	Color
RYB	165, 212, 255
Decimal	10878969
CIELab	94.47, -28.13, -5.67
CIELCh	94, 28.697, 191.405
Yxy	86.3589, 0.2656, 0.3355
Android (android.graphics.Color)	4289069049 (0xFFA5FFF9)
YUV	227.4060, 10.6458, -54.7301
Hunter-Lab	92.9295, -31.2894, -0.4652

Details

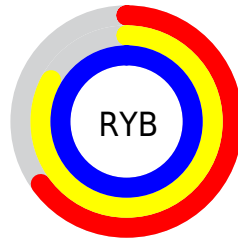
The XYZ color **68.3759, 86.3589, 102.6877** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.0466, 51.1118, 45.1243**, and the grayscale version is **73.2611, 77.0764, 83.9362**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **36.0041, 47.4266, 57.7087** is the 20% darker color. If you saturate the color by 10%, you get **63.3269, 83.7865, 101.0752**, and if you desaturate by 10%, it is **74.4867, 89.4783, 104.3653**.

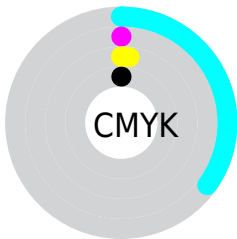
Distribution



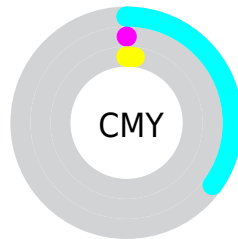
- Red (65%)
- Green (100%)
- Blue (98%)



- Red (65%)
- Yellow (83%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.3759, 86.3589, 102.6877 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 68.3759, 86.3589, 102.6877 by changing the saturation by 10% instead.


 68.3759, 86.3589,
102.6877


 68.3759, 86.3589,
102.6877

444.1826,
516.1139, 590.0959

 50.4784, 64.9648,
77.9177

 115.9287,
142.2702, 166.9298

 36.0130, 47.4325,
57.4903


 146.3147,
177.5562, 207.2390

 24.6144, 33.3777,
40.9870


181.5942,
218.2416, 253.5650

 15.9172, 22.4160,
27.9893

222.1327,
264.7109, 306.3263

 9.5561, 14.1629,
18.0787

268.2954,
317.3483, 365.9415

 5.1656, 8.2340,
10.8364

320.4477,

 2.3805, 4.2451,

376.5384, 432.8292

5.8442

378.9550,
442.6654, 507.4078

■ 0.8354, 1.8116,
2.6833

■ 0.0000, 0.4944,
0.9350

■ 68.3759, 86.3589,
102.6877

■ 68.3759, 86.3589,
102.6877

■ 63.3269, 83.7865,
101.0752

■ 74.4867, 89.4783,
104.3653

■ 59.2735, 81.7271,
99.5203

■ 81.7142, 93.1732,
106.1063

■ 56.1468, 80.1451,
98.0212

■ 90.1132, 97.4717,
107.9148

■ 53.8677, 78.9999,
96.5742

95.0500, 100.0000,
108.9000

■ 52.3443, 78.2440,
95.1750

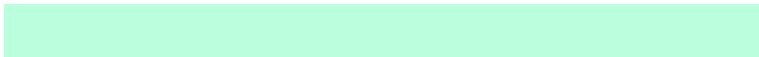
■ 51.4628, 77.8186,
93.8181

■ 51.1933, 77.6933,
93.1905

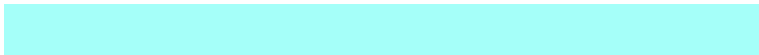
Harmonies

Analogous

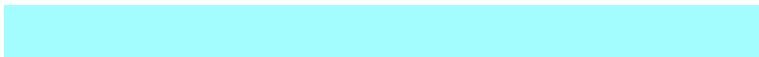
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.8033, 86.3589, 81.1171



68.3759, 86.3589, 102.6877



71.4454, 86.3589, 125.0357

Triad

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



68.3759, 86.3589, 102.6877



92.2936, 86.3589, 129.6496



86.9057, 86.3589, 59.2241

Complementary

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



68.3759, 86.3589, 102.6877



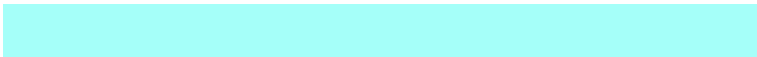
62.0466, 51.1118, 45.1243

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.



93.7242, 86.3589, 68.6273



68.3759, 86.3589, 102.6877



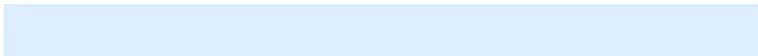
96.9668, 86.3589, 108.2457

Square

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



68.3759, 86.3589, 102.6877



85.0513, 86.3589, 142.1522



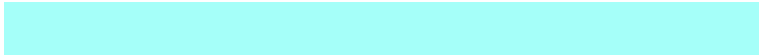
97.5062, 86.3589, 85.8734



79.1817, 86.3589, 58.2161

Rectangle

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



68.3759, 86.3589, 102.6877



75.1811, 86.3589, 136.5048



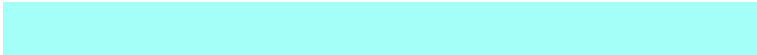
97.5062, 86.3589, 85.8734



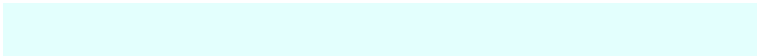
89.3918, 86.3589, 61.4300

Sweetspot

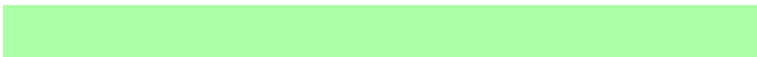
The Sweet Spot groups the original color and five complimentary colors.



68.3769, 86.3594, 102.6892



85.1732, 94.9429, 106.8742



59.3471, 82.8950, 48.4714



17.9917, 20.1995, 22.8233



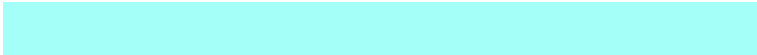
0.0000, 0.0000, 0.0000



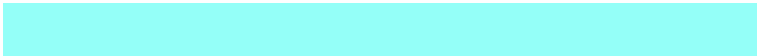
20.3446, 21.4041, 23.3091

Same Dimension

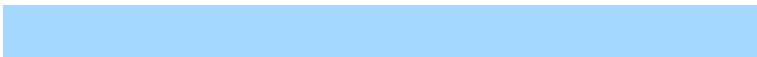
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.3769, 86.3594, 102.6892



64.8765, 84.5753, 101.5999



58.1240, 64.3322, 103.9616



18.4995, 20.4593, 22.9334



26.7719, 40.6054, 48.8115



2.6218, 3.9597, 4.8323

Inverse Universe

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



62.0466, 51.1118, 45.1243



57.7338, 44.7763, 36.6269



69.6252, 67.1634, 44.8931



18.0585, 18.0067, 18.9251



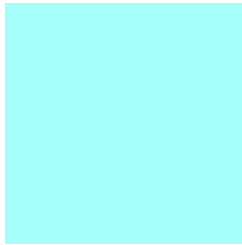
21.6198, 11.1372, 1.3825



2.1214, 1.0909, 0.2208

Previews

White Background



This preview shows how the XYZ color 68.3759, 86.3589, 102.6877 looks on a white background.

Color Contrast Check

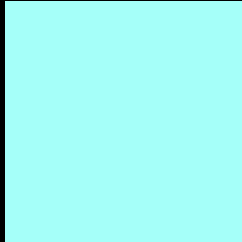
Large Text (above 18pt) WCAG AA × Fail

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 68.3759, 86.3589, 102.6877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

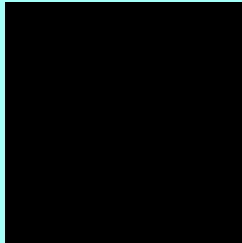
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.3759, 86.3589, 102.6877

Background



This preview shows how black text looks on a background with the XYZ color 68.3759, 86.3589, 102.6877.

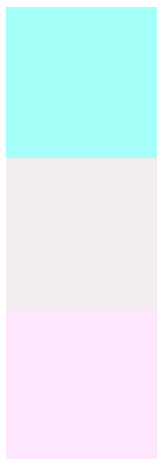


This preview shows how white text looks on a background with the XYZ color 68.3759, 86.3589,

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

68.3759, 86.3589, 102.6877

Protanopia

82.3348, 85.6187, 93.0755

Deuteranopia

87.3384, 85.3784, 105.6424



Tritanopia

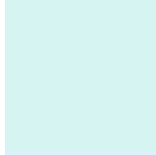
76.9969, 86.0801, 107.1647

Trichromacy



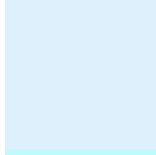
Original Color

68.3759, 86.3589, 102.6877



Protanomaly

76.1093, 85.4083, 96.4785



Deuteranomaly

78.8550, 84.8780, 104.3225



Tritanomaly

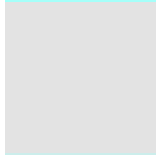
73.5976, 86.1807, 105.6840

Monochromacy



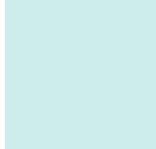
Original Color

68.3759, 86.3589, 102.6877



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.1814, 79.4039, 90.2248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3759, 86.3589, 102.6877 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, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 249)  
}
```

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, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 249) }
```

Border

The CSS property to change the border of an element to XYZ 68.3759, 86.3589, 102.6877 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, 255, 249) }
```


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

```
.border{ border-color:rgb(165, 255, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3759, 86.3589, 102.6877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 249) }
```

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

```
.background{ background-color: rgb(165,  
255, 249) }
```

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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