

Converting Colors

XYZ(69.3799, 86.9305,
100.2923)

Have a look what the booklet for
XYZ(69.3799, 86.9305, 100.2923)
contains.

XYZ(69.4078, 86.9445, 100.3126)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(69.4078, 86.9445,
100.3126)**

Conversions

Conversions Part 1

Format	Color
Hex	ACFFF6
RGB	172, 255, 246
RGB Percent	67%, 100%, 96%
CMY	0.3255, 0.0000, 0.0353
CMYK	0.33, 0.00, 0.04, 0.00
HSL	173°, 100%, 84%
HSV	173°, 33%, 100%
XYZ	69.4078, 86.9445, 100.3126
YIQ	229.1570, -46.5790, -20.3950

Conversions

Conversions Part 2

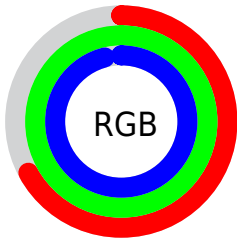
Format	Color
RYB	172, 216, 255
Decimal	11337718
CIELab	94.71, -26.96, -3.72
CIELCh	95, 27.218, 187.858
Yxy	86.9445, 0.2704, 0.3387
Android (android.graphics.Color)	4289527798 (0xFFACFFF6)
YUV	229.1570, 8.3036, -50.1267
Hunter-Lab	93.2440, -30.3075, 1.4862

Details

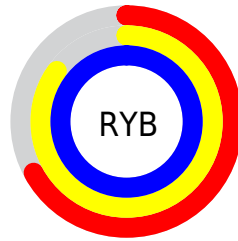
The XYZ color **69.4078, 86.9445, 100.3126** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.3338, 54.1025, 50.7689**, and the grayscale version is **74.5571, 78.4398, 85.4210**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **36.6908, 47.8189, 56.0114** is the 20% darker color. If you saturate the color by 10%, you get **63.9172, 84.1626, 97.8582**, and if you desaturate by 10%, it is **75.9804, 90.2834, 102.8535**.

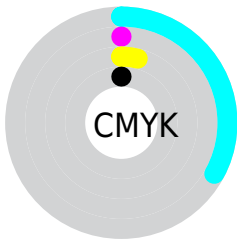
Distribution



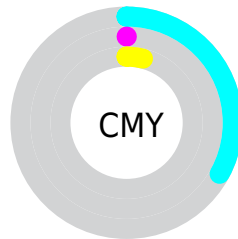
- Red (67%)
- Green (100%)
- Blue (96%)



- Red (67%)
- Yellow (85%)
- 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 69.4078, 86.9445, 100.3126 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 69.4078, 86.9445, 100.3126 by changing the saturation by 10% instead.


 69.4078, 86.9445,
100.3126

 69.4078, 86.9445,
100.3126


447.7669,
518.0405, 582.4497

 51.3217, 65.4493,
75.9433


 117.3947,
143.0868, 163.6423

 36.6868, 47.8255,
55.8796


148.0263,
178.5026, 203.4398

 25.1377, 33.6887,
39.7031


183.5704,
219.3275, 249.2171

 16.3089, 22.6546,
26.9951

224.3925,
265.9457, 301.3928

 9.8353, 14.3386,
17.3371

270.8578,
318.7417, 360.3853

 5.3513, 8.3566,
10.3107

323.3317,

 2.4917, 4.3239,

378.0999, 426.6133

5.4971

382.1796,
444.4047, 500.4952

■ 0.8911, 1.8564,
2.4780

■ 0.0000, 0.5219,
0.8285

■ 69.4078, 86.9445,
100.3126

■ 69.4078, 86.9445,
100.3126

■ 63.9172, 84.1626,
97.8582

■ 75.9804, 90.2834,
102.8535

■ 59.4441, 81.9046,
95.4828

■ 83.6889, 94.2071,
105.4792

■ 55.9215, 80.1358,
93.1846

■ 92.5869, 98.7433,
108.1939

■ 53.2732, 78.8171,
90.9599

■ 95.0500, 100.0000,
108.9000

■ 51.4114, 77.9031,
88.8043

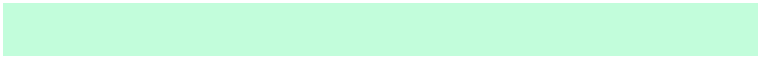
■ 50.2294, 77.3388,
86.7129

■ 49.6741, 77.0856,
85.1904

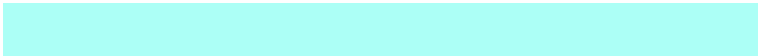
Harmonies

Analogous

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



70.2210, 86.9445, 80.2106



69.4078, 86.9445, 100.3126



71.9696, 86.9445, 121.7576

Triad

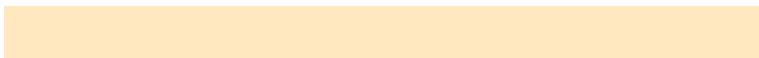
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.4078, 86.9445, 100.3126



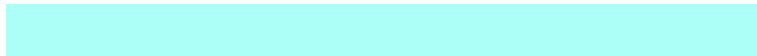
91.6229, 86.9445, 130.3741



88.0828, 86.9445, 61.8952

Complementary

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



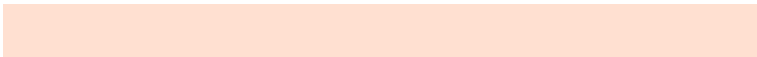
69.4078, 86.9445, 100.3126



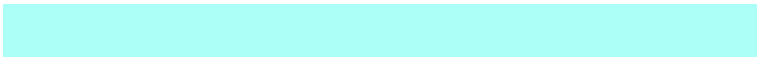
64.3338, 54.1025, 50.7689

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.



94.3121, 86.9445, 71.9273



69.4078, 86.9445, 100.3126



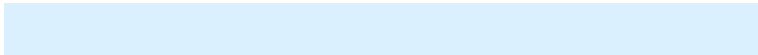
96.4390, 86.9445, 110.7654

Square

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



69.4078, 86.9445, 100.3126



84.5863, 86.9445, 140.7150



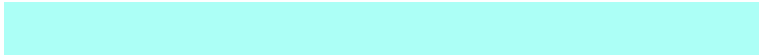
97.4512, 86.9445, 89.2388



80.7201, 86.9445, 59.9526

Rectangle

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



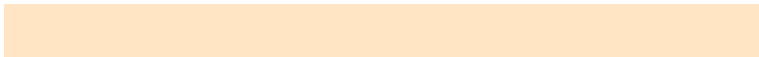
69.4078, 86.9445, 100.3126



75.3415, 86.9445, 133.2620



97.4512, 86.9445, 89.2388



90.3913, 86.9445, 64.3528

Sweetspot

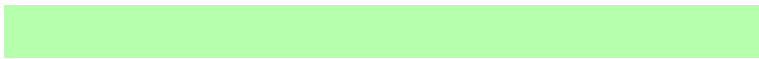
The Sweet Spot groups the original color and five complimentary colors.



69.4088, 86.9450, 100.3141



85.8409, 95.3036, 106.1623



62.4241, 84.4056, 52.0332



18.1173, 20.2684, 22.6423



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

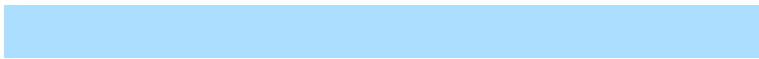
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.4088, 86.9450, 100.3141



65.7456, 85.0880, 98.7201



61.5010, 68.8651, 104.6586



18.4650, 20.4455, 22.7517



25.9899, 40.2926, 44.6938



2.5538, 3.9325, 4.4742

Inverse Universe

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



64.3338, 54.1025, 50.7689



59.9665, 47.6516, 42.2733



70.2365, 67.3382, 48.3271



18.0894, 18.0191, 19.0880



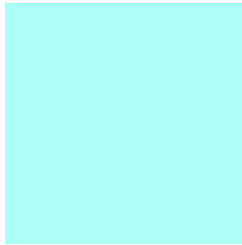
21.6817, 11.1620, 1.7084



2.1360, 1.0968, 0.2976

Previews

White Background



This preview shows how the XYZ color 69.4078, 86.9445, 100.3126 looks on a white background.

Color Contrast Check

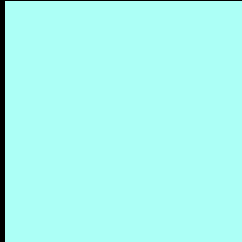
Large Text (above 18pt) WCAG AA × Fail

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 69.4078, 86.9445, 100.3126 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 69.4078, 86.9445, 100.3126

Background



This preview shows how black text looks on a background with the XYZ color 69.4078, 86.9445, 100.3126.

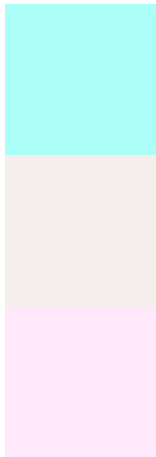


This preview shows how white text looks on a background with the XYZ color 69.4078, 86.9445,

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

69.4078, 86.9445, 100.3126

Protanopia

83.0231, 86.4383, 91.6654

Deuteranopia

87.3519, 85.8754, 102.4141



Tritanopia

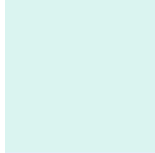
77.8538, 86.5219, 107.2048

Trichromacy



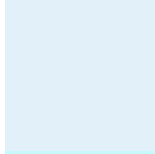
Original Color

69.4078, 86.9445, 100.3126



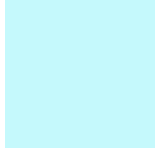
Protanomaly

76.9923, 85.8981, 94.9601



Deuteranomaly

79.3103, 85.1673, 101.8814



Tritanomaly

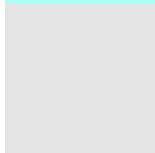
74.4723, 86.6500, 104.8955

Monochromacy



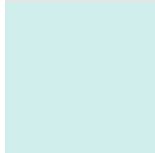
Original Color

69.4078, 86.9445, 100.3126



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.5824, 80.5571, 90.3735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.4078, 86.9445, 100.3126 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(172, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 246)  
}
```

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(172, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 246) }
```

Border

The CSS property to change the border of an element to XYZ 69.4078, 86.9445, 100.3126 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(172, 255, 246) }
```


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

```
.border{ border-color:rgb(172, 255, 246) }
```

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

Here you see how a box with a 4 pixel rgb(172, 255, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 69.4078, 86.9445, 100.3126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 246) }
```

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

```
.background{ background-color: rgb(172,  
255, 246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor