

Converting Colors

XYZ(74.8043, 100.0000,
100.4104)

Have a look what the booklet for
XYZ(74.8043, 100.0000, 100.4104)
contains.

XYZ(67.8740, 86.2066, 97.8562)	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(67.8740, 86.2066,
97.8562)**

Conversions

Conversions Part 1

Format	Color
Hex	A7FFF3
RGB	167, 255, 243
RGB Percent	65%, 100%, 95%
CMY	0.3451, 0.0000, 0.0471
CMYK	0.35, 0.00, 0.05, 0.00
HSL	172°, 100%, 83%
HSV	172°, 35%, 100%
XYZ	67.8740, 86.2066, 97.8562
YIQ	227.3200, -48.5960, -22.3880

Conversions

Conversions Part 2

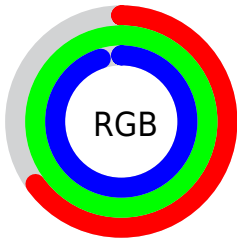
Format	Color
RYB	167, 214, 255
Decimal	11010035
CIELab	94.40, -28.95, -2.66
CIELCh	94, 29.072, 185.252
Yxy	86.2066, 0.2694, 0.3422
Android (android.graphics.Color)	4289200115 (0xFFA7FFF3)
YUV	227.3200, 7.7302, -52.9006
Hunter-Lab	92.8475, -31.9949, 2.5048

Details

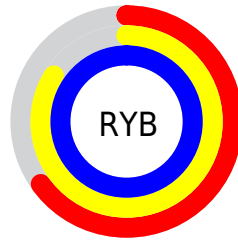
The XYZ color **67.8740, 86.2066, 97.8562** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **63.1961, 52.1533, 49.3844**, and the grayscale version is **73.2173, 77.0304, 83.8861**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **35.7193, 47.3555, 54.2716** is the 20% darker color. If you saturate the color by 10%, you get **62.4879, 83.4900, 94.8903**, and if you desaturate by 10%, it is **74.3340, 89.4755, 100.9272**.

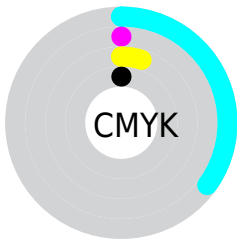
Distribution



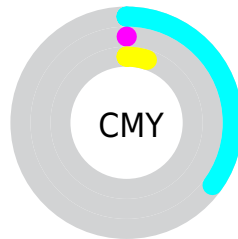
- Red (65%)
- Green (100%)
- Blue (95%)



- Red (65%)
- Yellow (84%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (35%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8740, 86.2066, 97.8562 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 67.8740, 86.2066, 97.8562 by changing the saturation by 10% instead.

67.8740, 86.2066,
97.8562

67.8740, 86.2066,
97.8562

442.4332,
515.6122, 574.4852

50.0685, 64.8388,
73.9045

115.2148,
142.0578, 160.2341

35.6859, 47.3304,
54.2196

145.4808,
177.3099, 199.4973

24.3607, 33.2969,
38.3829

180.6310,
217.9590, 244.7015

15.7276, 22.3540,
25.9758

221.0309,
264.3895, 296.2651

9.4212, 14.1173,
16.5800

267.0457,
316.9856, 354.6068

5.0762, 8.2023,
9.7767

319.0407,

2.3273, 4.2246,

376.1318, 420.1450

5.1475

377.3815,
442.2126, 493.2983

■ 0.8086, 1.8000,
2.2738

■ 0.0000, 0.4872,
0.7165

■ 67.8740, 86.2066,
97.8562

■ 67.8740, 86.2066,
97.8562

■ 62.4879, 83.4900,
94.8903

■ 74.3340, 89.4755,
100.9272

■ 58.1102, 81.2921,
92.0217

■ 81.9228, 93.3253,
104.1017

■ 54.6723, 79.5777,
89.2485

■ 90.6947, 97.7838,
107.3841

■ 52.0962, 78.3063,
86.5667

95.0500, 100.0000,
108.9000

■ 50.2909, 77.4312,
83.9717

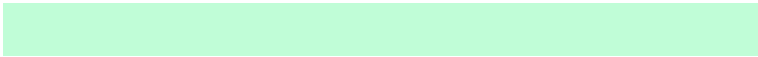
■ 49.1448, 76.8949,
81.4580

■ 48.7089, 76.6996,
80.1081

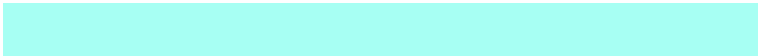
Harmonies

Analogous

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



69.0416, 86.2066, 76.9865



67.8740, 86.2066, 97.8562



70.2751, 86.2066, 120.9397

Triad

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



67.8740, 86.2066, 97.8562



90.9134, 86.2066, 133.5482



88.3856, 86.2066, 59.9734

Complementary

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



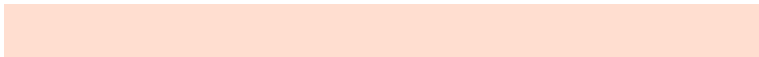
67.8740, 86.2066, 97.8562



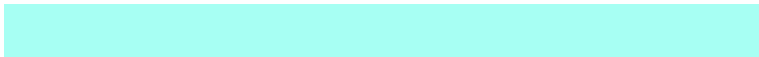
63.1961, 52.1533, 49.3844

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.



94.8221, 86.2066, 71.1653



67.8740, 86.2066, 97.8562



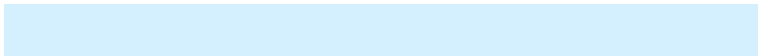
96.3453, 86.2066, 113.0446

Square

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



67.8740, 86.2066, 97.8562



83.3190, 86.2066, 143.5355



97.8191, 86.2066, 89.9825



80.5699, 86.2066, 57.2203

Rectangle

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



67.8740, 86.2066, 97.8562



73.6720, 86.2066, 133.8226



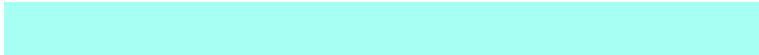
97.8191, 86.2066, 89.9825



90.7976, 86.2066, 62.7755

Sweetspot

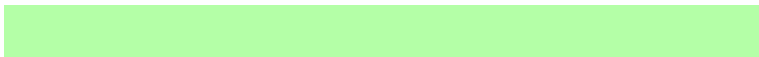
The Sweet Spot groups the original color and five complimentary colors.



67.8750, 86.2070, 97.8577



85.7281, 95.2585, 105.5681



61.6050, 84.0378, 49.5348



18.0899, 20.2574, 22.4976



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

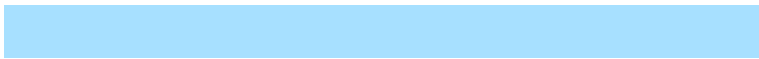
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.8750, 86.2070, 97.8577



64.2597, 84.3824, 95.9200



60.6968, 68.8553, 104.6991



18.4420, 20.4363, 22.6307



25.4927, 40.0937, 42.0754



2.5103, 3.9150, 4.2451

Inverse Universe

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



63.1961, 52.1533, 49.3844



58.9830, 45.9225, 41.2120



68.3642, 64.3479, 45.3780



18.1102, 18.0274, 19.1975



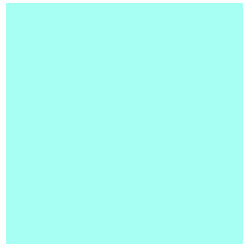
21.7361, 11.1837, 1.9948



2.1458, 1.1007, 0.3490

Previews

White Background



This preview shows how the XYZ color 67.8740, 86.2066, 97.8562 looks on a white background.

Color Contrast Check

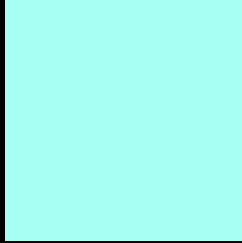
Large Text (above 18pt) WCAG AA × Fail

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 67.8740, 86.2066, 97.8562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

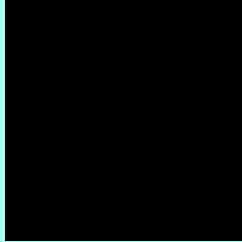
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

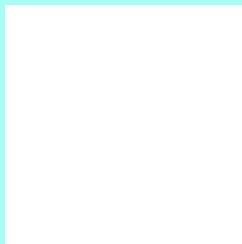
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.8740, 86.2066, 97.8562

Background



This preview shows how black text looks on a background with the XYZ color 67.8740, 86.2066, 97.8562.



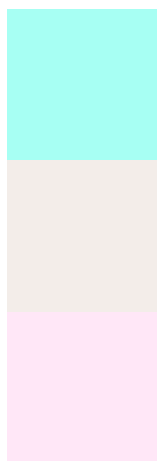
This preview shows how white text looks on a background with the XYZ color 67.8740, 86.2066,

97.8562.

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

67.8740, 86.2066, 97.8562

Protanopia

81.9543, 85.5063, 89.2757

Deuteranopia

86.6044, 85.1272, 99.8623



Tritanopia

76.6952, 85.4767, 107.0641

Trichromacy



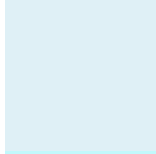
Original Color

67.8740, 86.2066, 97.8562



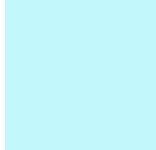
Protanomaly

75.6611, 85.2629, 92.5904



Deuteranomaly

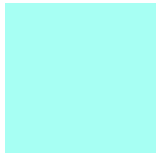
78.2261, 84.6620, 99.4072



Tritanomaly

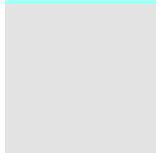
73.2281, 85.5692, 103.9238

Monochromacy



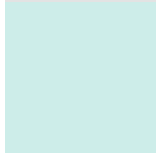
Original Color

67.8740, 86.2066, 97.8562



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.1690, 79.4307, 88.7242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8740, 86.2066, 97.8562 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(167, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 243)  
}
```

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(167, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 243) }
```

Border

The CSS property to change the border of an element to XYZ 67.8740, 86.2066, 97.8562 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(167, 255, 243) }
```


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

```
.border{ border-color:rgb(167, 255, 243) }
```

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

Here you see how a box with a 4 pixel rgb(167, 255, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(167, 255,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8740, 86.2066, 97.8562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 255, 243) }
```

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

```
.background{ background-color: rgb(167,  
255, 243) }
```

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