

Converting Colors

XYZ(68.0582, 87.0402, 96.9997)

Have a look what the booklet for
XYZ(68.0582, 87.0402, 96.9997)
contains.

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Color

**XYZ(67.5129, 86.0378,
97.0531)**

Conversions

Conversions Part 1

Format	Color
Hex	A6FFF2
RGB	166, 255, 242
RGB Percent	65%, 100%, 95%
CMY	0.3490, 0.0000, 0.0510
CMYK	0.35, 0.00, 0.05, 0.00
HSL	171°, 100%, 83%
HSV	171°, 35%, 100%
XYZ	67.5129, 86.0378, 97.0531
YIQ	226.9070, -48.8710, -22.9110

Conversions

Conversions Part 2

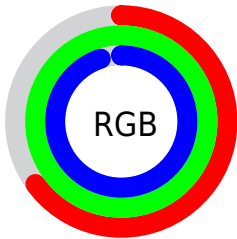
Format	Color
R_{YB}	166, 214, 255
Decimal	10944498
CIE _{Lab}	94.33, -29.43, -2.26
CIE _{LCh}	94, 29.519, 184.383
Yxy	86.0378, 0.2694, 0.3433
Android (android.graphics.Color)	4289134578 (0xFFA6FFF2)
YUV	226.9070, 7.4408, -53.4154
Hunter-Lab	92.7566, -32.4027, 2.8932

Details

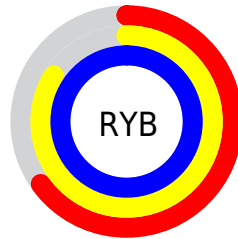
The XYZ color **67.5129, 86.0378, 97.0531** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **63.0137, 51.7884, 49.3236**, and the grayscale version is **72.9192, 76.7167, 83.5444**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **35.4874, 47.2483, 53.7038** is the 20% darker color. If you saturate the color by 10%, you get **62.1337, 83.3287, 93.9121**, and if you desaturate by 10%, it is **73.9652, 89.2988, 100.3066**.

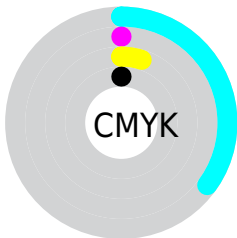
Distribution



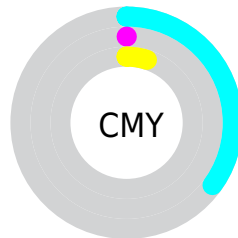
- Red (65%)
- Green (100%)
- Blue (95%)



- 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 67.5129, 86.0378, 97.0531 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 67.5129, 86.0378, 97.0531 by changing the saturation by 10% instead.


 67.5129, 86.0378,
97.0531


 67.5129, 86.0378,
97.0531


441.1721,
515.0558, 571.8685

 49.7738, 64.6992,
73.2387


 114.7008,
141.8222, 159.1179

 35.4508, 47.2172,
53.6781


 144.8803,
177.0369, 198.2053

 24.1784, 33.2074,
37.9530


179.9372,
217.6457, 243.2208

 15.5915, 22.2854,
25.6446

220.2371,
264.0331, 294.5830

 9.3246, 14.0668,
16.3346

266.1451,
316.5834, 352.7103

 5.0123, 8.1671,
9.6043

318.0267,

 2.2893, 4.2021,

375.6810, 418.0212

5.0353

376.2473,
441.7104, 490.9345

0.7892, 1.7872,
2.2089

0.0000, 0.4792,
0.6795

67.5129, 86.0378,
97.0531

67.5129, 86.0378,
97.0531

62.1337, 83.3287,
93.9121

73.9652, 89.2988,
100.3066

57.7616, 81.1374,
90.8760

81.5455, 93.1399,
103.6713

54.3279, 79.4287,
87.9426

90.3085, 97.5894,
107.1515

51.7541, 78.1619,
85.1078

95.0500, 100.0000,
108.9000

■ 49.9486, 77.2900,
82.3670

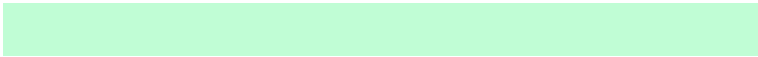
■ 48.7988, 76.7547,
79.7147

■ 48.3831, 76.5692,
78.3922

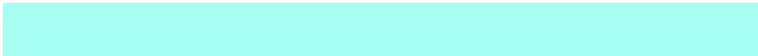
Harmonies

Analogous

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



68.7991, 86.0378, 76.0611



67.5129, 86.0378, 97.0531



69.8415, 86.0378, 120.5310

Triad

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



67.5129, 86.0378, 97.0531



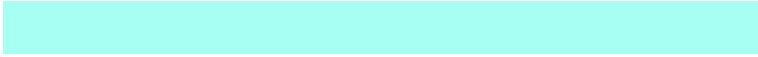
90.6811, 86.0378, 134.4799



88.5387, 86.0378, 59.6009

Complementary

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



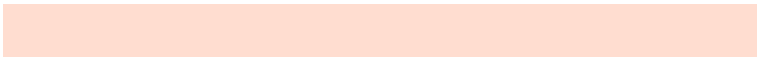
67.5129, 86.0378, 97.0531



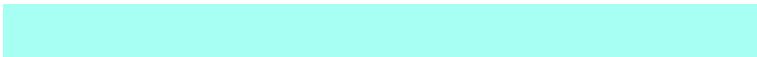
63.0137, 51.7884, 49.3236

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.



94.9989, 86.0378, 71.1468



67.5129, 86.0378, 97.0531



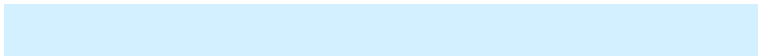
96.2907, 86.0378, 113.8303

Square

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



67.5129, 86.0378, 97.0531



82.9456, 86.0378, 144.2413



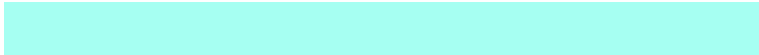
97.9193, 86.0378, 90.3870



80.6181, 86.0378, 56.5766

Rectangle

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



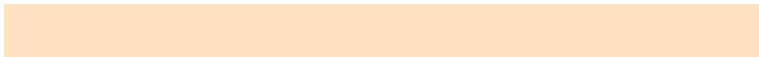
67.5129, 86.0378, 97.0531



73.2246, 86.0378, 133.7952



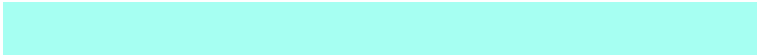
97.9193, 86.0378, 90.3870



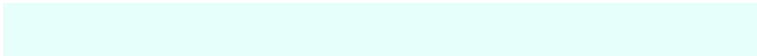
90.9693, 86.0378, 62.5111

Sweetspot

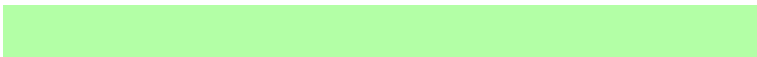
The Sweet Spot groups the original color and five complimentary colors.



67.5139, 86.0383, 97.0546



85.6890, 95.2428, 105.3622



61.3153, 83.8991, 49.0405



18.0803, 20.2536, 22.4474



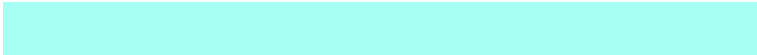
0.0000, 0.0000, 0.0000



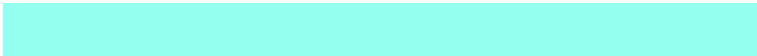
20.3446, 21.4041, 23.3091

Same Dimension

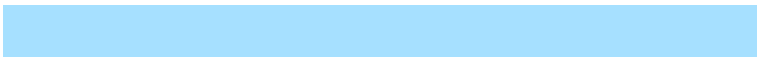
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.5139, 86.0383, 97.0546



63.5876, 84.0597, 94.8126



60.3923, 68.5587, 104.6579



18.4341, 20.4332, 22.5888



25.3247, 40.0265, 41.1909



2.4955, 3.9091, 4.1674

Inverse Universe

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



63.0137, 51.7884, 49.3236



58.4738, 45.0723, 40.5235



68.1241, 64.0150, 44.8436



18.1174, 18.0303, 19.2356



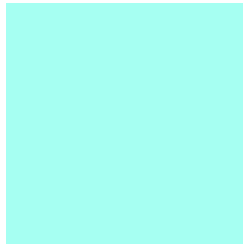
21.7576, 11.1923, 2.1080



2.1491, 1.1020, 0.3668

Previews

White Background



This preview shows how the XYZ color 67.5129, 86.0378, 97.0531 looks on a white background.

Color Contrast Check

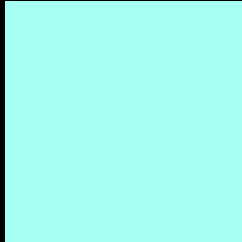
Large Text (above 18pt) WCAG AA × Fail

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 67.5129, 86.0378, 97.0531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

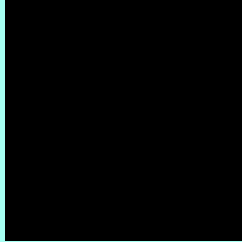
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.5129, 86.0378, 97.0531

Background



This preview shows how black text looks on a background with the XYZ color 67.5129, 86.0378, 97.0531.

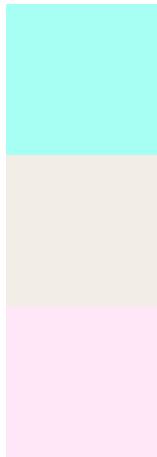


This preview shows how white text looks on a background with the XYZ color 67.5129, 86.0378,

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

67.5129, 86.0378, 97.0531

Protanopia

81.6701, 85.3926, 87.7792

Deuteranopia

86.6044, 85.1272, 99.8623



Tritanopia

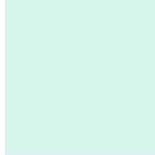
76.4131, 85.3313, 107.0509

Trichromacy



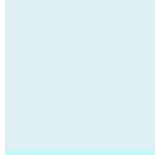
Original Color

67.5129, 86.0378, 97.0531



Protanomaly

75.3704, 85.1466, 91.0598



Deuteranomaly

78.0729, 84.6007, 98.6009



Tritanomaly

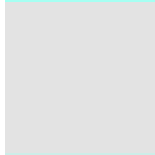
72.8150, 85.3744, 103.0836

Monochromacy



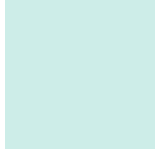
Original Color

67.5129, 86.0378, 97.0531



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.0265, 79.3737, 87.9738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5129, 86.0378, 97.0531 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(166, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(166, 255, 242)  
}
```

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(166, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 242) }
```

Border

The CSS property to change the border of an element to XYZ 67.5129, 86.0378, 97.0531 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(166, 255, 242) }
```


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

```
.border{ border-color:rgb(166, 255, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5129, 86.0378, 97.0531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 255, 242) }
```

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

```
.background{ background-color: rgb(166,  
255, 242) }
```

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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