

Converting Colors

XYZ(103.5319, 158.6243,
108.9861)

Have a look what the booklet for
XYZ(103.5319, 158.6243, 108.9861)
contains.

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Color

**XYZ(67.0969, 85.8233,
97.0336)**

Conversions

Conversions Part 1

Format	Color
Hex	A4FFF2
RGB	164, 255, 242
RGB Percent	64%, 100%, 95%
CMY	0.3568, 0.0000, 0.0510
CMYK	0.36, 0.00, 0.05, 0.00
HSL	171°, 100%, 82%
HSV	171°, 36%, 100%
XYZ	67.0969, 85.8233, 97.0336
YIQ	226.3090, -50.0630, -23.3350

Conversions

Conversions Part 2

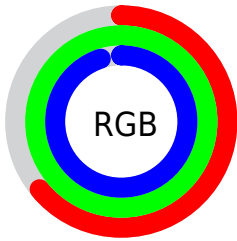
Format	Color
RYB	164, 213, 255
Decimal	10813426
CIELab	94.24, -29.96, -2.40
CIELCh	94, 30.052, 184.583
Yxy	85.8233, 0.2684, 0.3434
Android (android.graphics.Color)	4289003506 (0xFFA4FFF2)
YUV	226.3090, 7.7357, -54.6450
Hunter-Lab	92.6409, -32.8395, 2.7473

Details

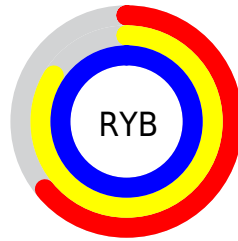
The XYZ color **67.0969, 85.8233, 97.0336** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.4522, 50.9867, 48.1458**, and the grayscale version is **72.4841, 76.2590, 83.0460**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **35.2414, 47.1215, 53.6923** is the 20% darker color. If you saturate the color by 10%, you get **61.8103, 83.1605, 93.9599**, and if you desaturate by 10%, it is **73.4515, 89.0354, 100.2171**.

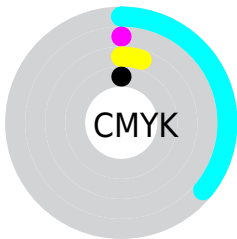
Distribution



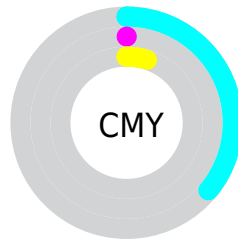
- Red (64%)
- Green (100%)
- Blue (95%)



- Red (64%)
- Yellow (84%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (36%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.0969, 85.8233, 97.0336 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 67.0969, 85.8233, 97.0336 by changing the saturation by 10% instead.

67.0969, 85.8233,
97.0336

67.0969, 85.8233,
97.0336

439.7167,
514.3484, 571.8048

49.4344, 64.5219,
73.2225

114.1083,
141.5229, 159.0908

35.1801, 47.0735,
53.6650

144.1878,
176.6898, 198.1739

23.9688, 33.0938,
37.9425

179.1371,
217.2474, 243.1849

15.4351, 22.1983,
25.6366

219.3214,
263.5800, 294.5421

9.2136, 14.0027,
16.3287

265.1062,
316.0720, 352.6642

4.9390, 8.1225,
9.6001

316.8568,

2.2459, 4.1734,

375.1078, 417.9696

5.0325

374.9385,
441.0718, 490.8770

■ 0.7668, 1.7711,
2.2073

■ 0.0000, 0.4690,
0.6786

■ 67.0969, 85.8233,
97.0336

■ 67.0969, 85.8233,
97.0336

■ 61.8103, 83.1605,
93.9599

■ 73.4515, 89.0354,
100.2171

■ 57.5251, 81.0128,
90.9881

■ 80.9291, 92.8251,
103.5089

■ 54.1720, 79.3443,
88.1162

■ 89.5848, 97.2209,
106.9134

■ 51.6717, 78.1142,
85.3401

■ 95.0500, 100.0000,
108.9000

■ 49.9313, 77.2746,
82.6552

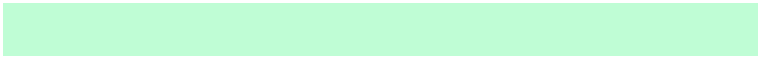
■ 48.8358, 76.7663,
80.0557

■ 48.4903, 76.6121,
78.9568

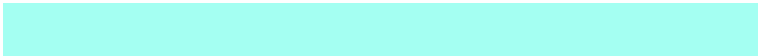
Harmonies

Analogous

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



68.3767, 85.8233, 75.6841



67.0969, 85.8233, 97.0336



69.4820, 85.8233, 120.9316

Triad

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



67.0969, 85.8233, 97.0336



90.6764, 85.8233, 134.8972



88.3973, 85.8233, 58.8570

Complementary

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



67.0969, 85.8233, 97.0336



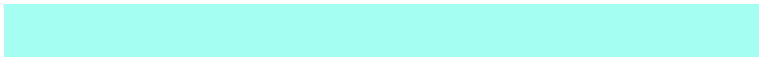
62.4522, 50.9867, 48.1458

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.



94.9900, 85.8233, 70.4782



67.0969, 85.8233, 97.0336



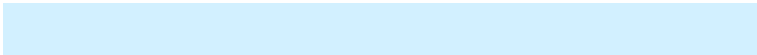
96.3654, 85.8233, 113.7920

Square

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



67.0969, 85.8233, 97.0336



82.8154, 85.8233, 144.9605



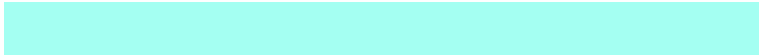
97.9933, 85.8233, 89.9499



80.3421, 85.8233, 55.8610

Rectangle

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



67.0969, 85.8233, 97.0336



72.9278, 85.8233, 134.4250



97.9933, 85.8233, 89.9499



90.8747, 85.8233, 61.7784

Sweetspot

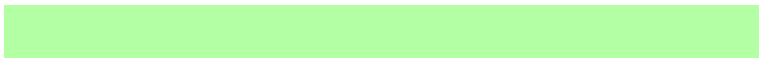
The Sweet Spot groups the original color and five complimentary colors.



67.0979, 85.8238, 97.0351



84.8343, 94.8074, 105.0896



60.7418, 83.6245, 48.0635



17.9104, 20.1669, 22.3950



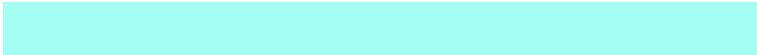
0.0000, 0.0000, 0.0000



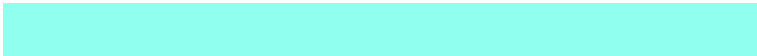
20.3446, 21.4041, 23.3091

Same Dimension

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



67.0979, 85.8238, 97.0351



63.1287, 83.8235, 94.7752



59.7888, 67.9692, 104.5759



18.4367, 20.4342, 22.6026



25.3800, 40.0486, 41.4819



2.5004, 3.9111, 4.1930

Inverse Universe

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



62.4522, 50.9867, 48.1458



57.8531, 44.1916, 39.2047



67.6479, 63.3538, 43.7869



18.1150, 18.0293, 19.2230



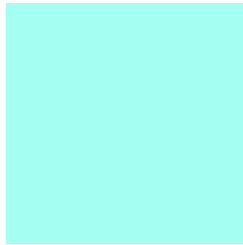
21.7503, 11.1894, 2.0698



2.1480, 1.1016, 0.3609

Previews

White Background



This preview shows how the XYZ color 67.0969, 85.8233, 97.0336 looks on a white background.

Color Contrast Check

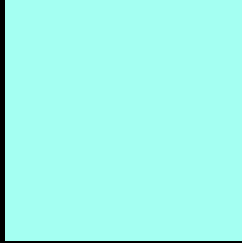
Large Text (above 18pt) WCAG AA × Fail

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 67.0969, 85.8233, 97.0336 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

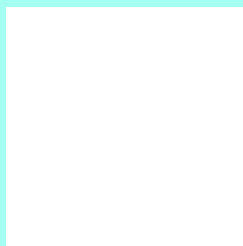
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.0969, 85.8233, 97.0336

Background



This preview shows how black text looks on a background with the XYZ color 67.0969, 85.8233, 97.0336.

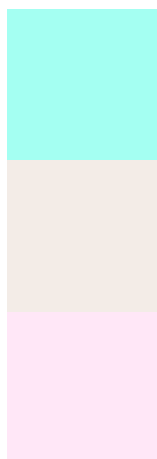


This preview shows how white text looks on a background with the XYZ color 67.0969, 85.8233,

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

67.0969, 85.8233, 97.0336

Protanopia

81.3814, 84.8151, 87.6830

Deuteranopia

86.6044, 85.1272, 99.8623



Tritanopia

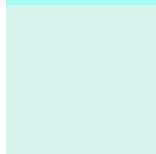
76.1328, 85.1868, 107.0378

Trichromacy



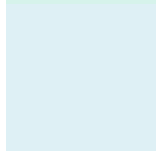
Original Color

67.0969, 85.8233, 97.0336



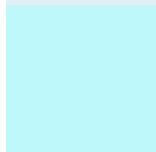
Protanomaly

74.7775, 84.3955, 90.9460



Deuteranomaly

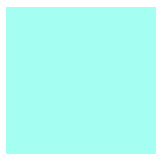
77.7657, 84.4423, 98.5865



Tritanomaly

72.3086, 85.1133, 103.0599

Monochromacy



Original Color

67.0969, 85.8233, 97.0336



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.4783, 79.0911, 87.9481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.0969, 85.8233, 97.0336 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(164, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(164, 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(164, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 242) }
```

Border

The CSS property to change the border of an element to XYZ 67.0969, 85.8233, 97.0336 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(164, 255, 242) }
```


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

```
.border{ border-color:rgb(164, 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(164, 255, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 67.0969, 85.8233, 97.0336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 242) }
```

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

```
.background{ background-color: rgb(164,  
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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