

Converting Colors

XYZ(67.1935, 84.7095,
102.2435)

Have a look what the booklet for
XYZ(67.1935, 84.7095, 102.2435)
contains.

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Color

**XYZ(67.3284, 84.8766,
102.4568)**

Conversions

Conversions Part 1

Format	Color
Hex	A3FDF9
RGB	163, 253, 249
RGB Percent	64%, 99%, 98%
CMY	0.3608, 0.0078, 0.0235
CMYK	0.36, 0.00, 0.02, 0.01
HSL	177°, 96%, 82%
HSV	177°, 36%, 99%
XYZ	67.3284, 84.8766, 102.4568
YIQ	225.6340, -52.3560, -20.3240

Conversions

Conversions Part 2

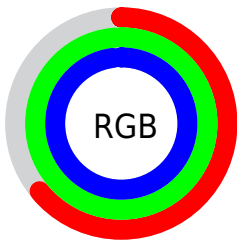
Format	Color
R _Y B	163, 209, 253
Decimal	10747385
CIE Lab	93.83, -27.69, -6.62
CIE LCh	94, 28.472, 193.452
Yxy	84.8766, 0.2644, 0.3333
Android (android.graphics.Color)	4288937465 (0xFFA3FDF9)
YUV	225.6340, 11.5194, -54.9300
Hunter-Lab	92.1285, -30.7753, -1.4469

Details

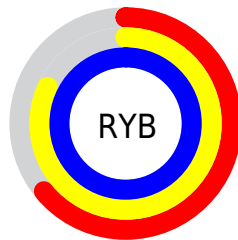
The XYZ color **67.3284, 84.8766, 102.4568** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.5832, 49.8695, 42.9950**, and the grayscale version is **71.9731, 75.7213, 82.4605**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **35.3094, 46.3943, 57.5461** is the 20% darker color. If you saturate the color by 10%, you get **62.4830, 82.4010, 101.3184**, and if you desaturate by 10%, it is **73.2160, 87.8935, 103.6532**.

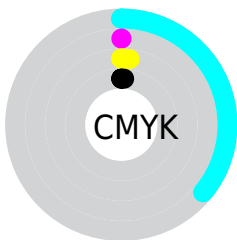
Distribution



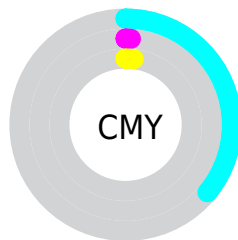
- Red (64%)
- Green (99%)
- Blue (98%)



- Red (64%)
- Yellow (82%)
- Blue (99%)



- Cyan (36%)
- Magenta (0%)
- Yellow (2%)
- Black (1%)



- Cyan (36%)
- Magenta (1%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3284, 84.8766, 102.4568 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 67.3284, 84.8766, 102.4568 by changing the saturation by 10% instead.

67.3284, 84.8766,
102.4568

67.3284, 84.8766,
102.4568

440.5269,
511.2197, 589.3548

49.6232, 63.7394,
77.7256

114.4381,
140.2008, 166.6105

35.3307, 46.4397,
57.3335

144.5732,
175.1565, 206.8702

24.0854, 32.5929,
40.8619

179.5825,
215.4873, 253.1431

15.5221, 21.8148,
27.8923

219.8311,
261.5774, 305.8477

9.2753, 13.7209,
18.0062

265.6846,
313.8113, 365.4027

4.9797, 7.9268,
10.7849

317.5081,

2.2700, 4.0481,

372.5734, 432.2265

5.8101

375.6671,
438.2480, 506.7377

0.7793, 1.7005,
2.6630

0.0000, 0.4240,
0.9247

67.3284, 84.8766,
102.4568

67.3284, 84.8766,
102.4568

62.4830, 82.4010,
101.3184

73.2160, 87.8935,
103.6532

58.6103, 80.4247,
100.2291

80.1954, 91.4711,
104.9043

55.6440, 78.9154,
99.1877

88.3218, 95.6398,
106.2146

53.5062, 77.8333,
98.1906

94.1765, 98.6373,
107.4241

■ 52.1064, 77.1313,
97.2334

94.3568, 98.7094,
108.3736

■ 51.3321, 76.7518,
96.3109

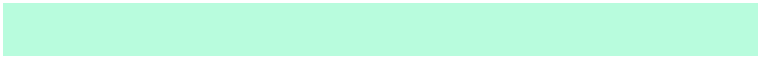
94.4167, 98.7334,
108.6889

■ 51.1165, 76.6493,
95.9102

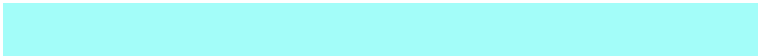
Harmonies

Analogous

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



67.5090, 84.8766, 81.0446



67.3284, 84.8766, 102.4568



70.5607, 84.8766, 124.1523

Triad

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



67.3284, 84.8766, 102.4568



91.1029, 84.8766, 126.1012



84.8897, 84.8766, 57.9395

Complementary

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



67.3284, 84.8766, 102.4568



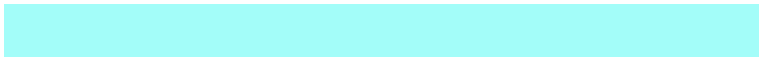
60.5832, 49.8695, 42.9950

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.



91.7073, 84.8766, 66.6093



67.3284, 84.8766, 102.4568



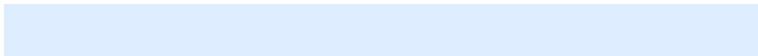
95.4451, 84.8766, 104.8047

Square

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



67.3284, 84.8766, 102.4568



84.1063, 84.8766, 139.1758



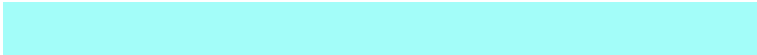
95.6730, 84.8766, 83.0540



77.3337, 84.8766, 57.5136

Rectangle

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



67.3284, 84.8766, 102.4568



74.3405, 84.8766, 134.9472



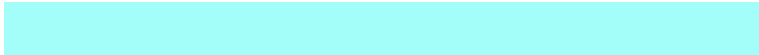
95.6730, 84.8766, 83.0540



87.3546, 84.8766, 59.9165

Sweetspot

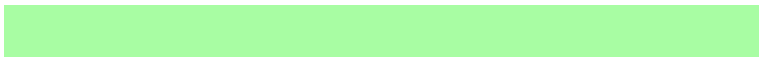
The Sweet Spot groups the original color and five complimentary colors.



67.3309, 84.8800, 102.4588



85.2726, 94.9827, 107.3974



57.7809, 81.1683, 47.2738



18.0155, 20.2090, 22.9489



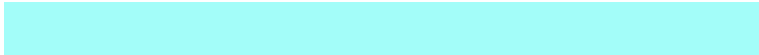
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

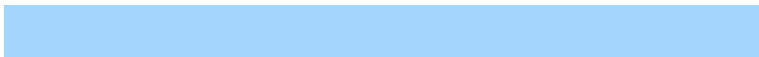
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.3309, 84.8800, 102.4588



64.7735, 84.4815, 103.4366



56.5051, 62.2185, 101.9635



18.5179, 20.4667, 23.0302



27.2060, 40.7790, 51.0976



2.6593, 3.9747, 5.0299

Inverse Universe

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



60.5832, 49.8695, 42.9950



56.9423, 43.8272, 34.4082



68.5960, 66.4783, 43.8683



18.0421, 18.0002, 18.8389



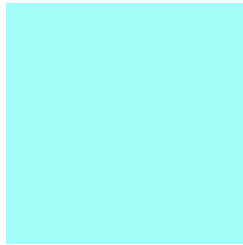
21.5954, 11.1274, 1.2539



2.1137, 1.0878, 0.1800

Previews

White Background



This preview shows how the XYZ color 67.3284, 84.8766, 102.4568 looks on a white background.

Color Contrast Check

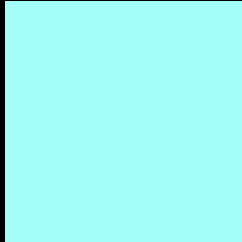
Large Text (above 18pt) WCAG AA × Fail

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 67.3284, 84.8766, 102.4568 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 67.3284, 84.8766, 102.4568

Background



This preview shows how black text looks on a background with the XYZ color 67.3284, 84.8766, 102.4568.

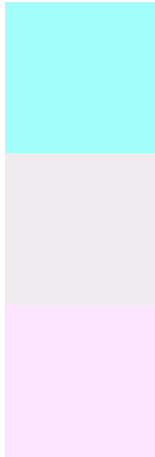


This preview shows how white text looks on a background with the XYZ color 67.3284, 84.8766,

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

67.3284, 84.8766, 102.4568

Protanopia

81.0761, 84.1150, 92.8516

Deuteranopia

85.6924, 83.7036, 105.4059



Tritanopia

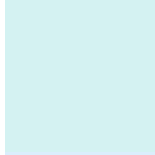
75.0293, 84.6179, 106.9862

Trichromacy



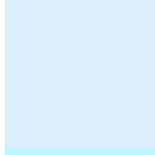
Original Color

67.3284, 84.8766, 102.4568



Protanomaly

74.9305, 83.9121, 96.2518



Deuteranomaly

77.3586, 83.2374, 104.0847



Tritanomaly

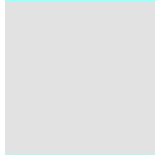
71.7294, 84.3047, 105.4204

Monochromacy



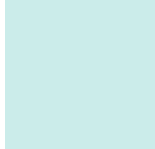
Original Color

67.3284, 84.8766, 102.4568



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.4753, 78.6279, 89.3569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.3284, 84.8766, 102.4568 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(163, 253, 249)` looks like.

```
.text, #text, p{  
    color:rgb(163, 253, 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(163, 253, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 253, 249) }
```

Border

The CSS property to change the border of an element to XYZ 67.3284, 84.8766, 102.4568 is called "border". The border property can be set on classes, ids or directly on the HTML element.

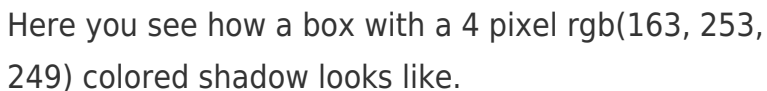
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 253, 249) }
```


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

```
.border{ border-color:rgb(163, 253, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(163, 253, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 253, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 253, 249); box-shadow:4px 4px 4px 4px rgb(163, 253, 249) }
```

Background

The CSS property to change the background color of an element to XYZ 67.3284, 84.8766, 102.4568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 253, 249) }
```

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

```
.background{ background-color: rgb(163,  
253, 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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