

Converting Colors

XYZ(68.4966, 86.5547, 96.6553)

Have a look what the booklet for
XYZ(68.4966, 86.5547, 96.6553)
contains.

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Color

**XYZ(68.4318, 86.5288,
96.3141)**

Conversions

Conversions Part 1

Format	Color
Hex	ABFFF1
RGB	171, 255, 241
RGB Percent	67%, 100%, 95%
CMY	0.3294, 0.0000, 0.0549
CMYK	0.33, 0.00, 0.05, 0.00
HSL	170°, 100%, 84%
HSV	170°, 33%, 100%
XYZ	68.4318, 86.5288, 96.3141
YIQ	228.2880, -45.5700, -22.1620

Conversions

Conversions Part 2

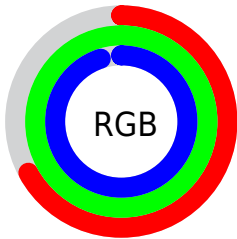
Format	Color
RYB	171, 217, 255
Decimal	11272177
CIELab	94.54, -28.32, -1.40
CIELCh	95, 28.356, 182.840
Yxy	86.5288, 0.2723, 0.3444
Android (android.graphics.Color)	4289462257 (0xFFABFFF1)
YUV	228.2880, 6.2670, -50.2416
Hunter-Lab	93.0209, -31.4710, 3.7255

Details

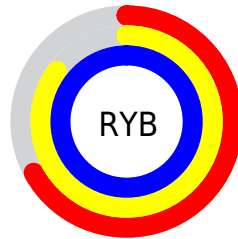
The XYZ color **68.4318, 86.5288, 96.3141** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.5607, 53.8899, 52.8989**, and the grayscale version is **73.9331, 77.7833, 84.7061**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **36.0213, 47.5358, 53.1757** is the 20% darker color. If you saturate the color by 10%, you get **62.7758, 83.6855, 92.7754**, and if you desaturate by 10%, it is **75.1760, 89.9313, 99.9839**.

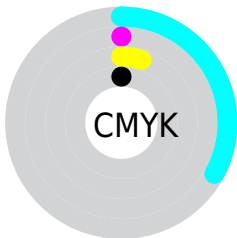
Distribution



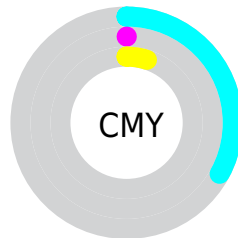
- Red (67%)
- Green (100%)
- Blue (95%)



- Red (67%)
- Yellow (85%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (33%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4318, 86.5288, 96.3141 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 68.4318, 86.5288, 96.3141 by changing the saturation by 10% instead.

68.4318, 86.5288,
96.3141

68.4318, 86.5288,
96.3141

444.3772,
516.6733, 569.4549

50.5241, 65.1053,
72.6263

116.0082,
142.5072, 158.0900

36.0495, 47.5465,
53.1805

146.4075,
177.8309, 197.0151

24.6427, 33.4679,
37.5581

181.7014,
218.5568, 241.8565

15.9384, 22.4851,
25.3408

222.2553,
265.0693, 293.0325

9.5711, 14.2138,
16.1098

268.4344,
317.7528, 350.9619

5.1756, 8.2695,
9.4467

320.6042,

2.3865, 4.2679,

376.9917, 416.0630

4.9329

379.1300,
443.1704, 488.7545

■ 0.8384, 1.8245,
2.1499

■ 0.0000, 0.5024,
0.6452

■ 68.4318, 86.5288,
96.3141

■ 68.4318, 86.5288,
96.3141

■ 62.7758, 83.6855,
92.7754

■ 75.1760, 89.9313,
99.9839

■ 58.1432, 81.3681,
89.3600

■ 83.0624, 93.9210,
103.7836

■ 54.4666, 79.5419,
86.0655

■ 92.1450, 98.5256,
107.7175

■ 51.6695, 78.1673,
82.8880

■ 95.0500, 100.0000,
108.9000

■ 49.6632, 77.1988,
79.8227

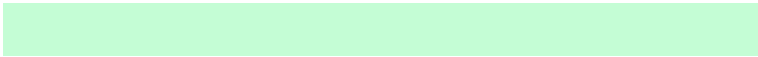
■ 48.3402, 76.5809,
76.8640

■ 47.7074, 76.2989,
74.8339

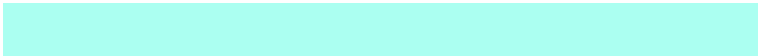
Harmonies

Analogous

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



69.8580, 86.5288, 76.2931



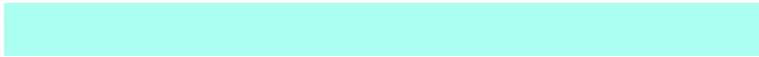
68.4318, 86.5288, 96.3141



70.5125, 86.5288, 118.9098

Triad

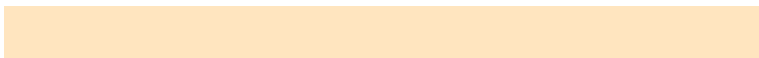
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.4318, 86.5288, 96.3141



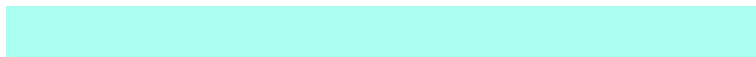
90.4657, 86.5288, 134.1485



89.1296, 86.5288, 61.5336

Complementary

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



68.4318, 86.5288, 96.3141



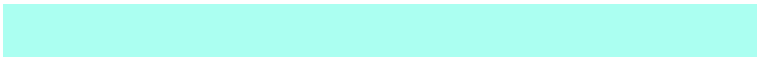
64.5607, 53.8899, 52.8989

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.



95.2073, 86.5288, 73.2006



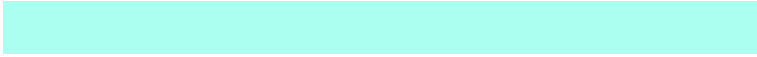
68.4318, 86.5288, 96.3141



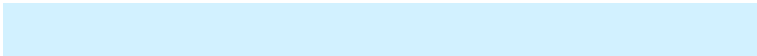
96.0116, 86.5288, 114.7447

Square

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



68.4318, 86.5288, 96.3141



82.9727, 86.5288, 142.7672



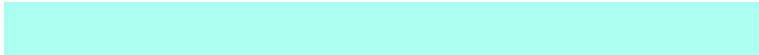
97.7977, 86.5288, 92.1469



81.5177, 86.5288, 58.1460

Rectangle

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



68.4318, 86.5288, 96.3141



73.6884, 86.5288, 131.8604



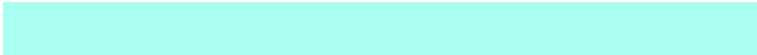
97.7977, 86.5288, 92.1469



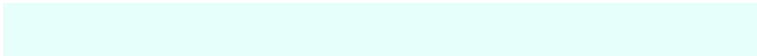
91.4353, 86.5288, 64.5177

Sweetspot

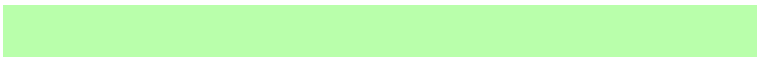
The Sweet Spot groups the original color and five complimentary colors.



68.4328, 86.5293, 96.3156



85.6061, 95.2097, 104.9260



63.1193, 84.7750, 51.5663



18.0602, 20.2455, 22.3413



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

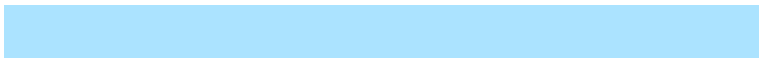
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.4328, 86.5293, 96.3156



64.3297, 84.4654, 93.8031



62.3147, 70.8171, 104.9925



18.4172, 20.4264, 22.4999



24.9762, 39.8871, 39.3557



2.4648, 3.8969, 4.0056

Inverse Universe

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



64.5607, 53.8899, 52.8989



59.8868, 46.9447, 43.9343



69.0150, 65.0483, 47.4479



18.1328, 18.0365, 19.3167



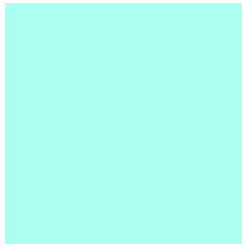
21.8078, 11.2124, 2.3722



2.1564, 1.1049, 0.4049

Previews

White Background



This preview shows how the XYZ color 68.4318, 86.5288, 96.3141 looks on a white background.

Color Contrast Check

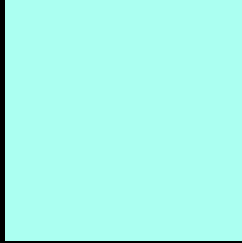
Large Text (above 18pt) WCAG AA × Fail

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 68.4318, 86.5288, 96.3141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

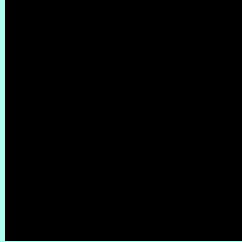
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

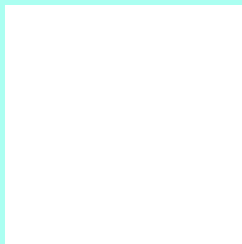
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.4318, 86.5288, 96.3141

Background



This preview shows how black text looks on a background with the XYZ color 68.4318, 86.5288, 96.3141.

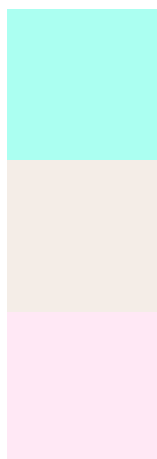


This preview shows how white text looks on a background with the XYZ color 68.4318, 86.5288,

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

68.4318, 86.5288, 96.3141

Protanopia

82.0162, 85.5710, 87.7954

Deuteranopia

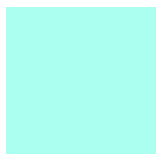
86.5780, 85.5658, 98.3389



Tritanopia

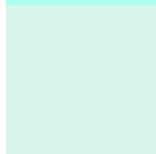
77.2647, 85.7703, 107.0908

Trichromacy



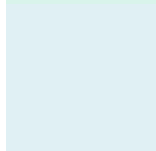
Original Color

68.4318, 86.5288, 96.3141



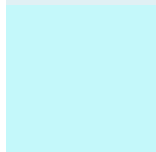
Protanomaly

75.9614, 85.4512, 91.0874



Deuteranomaly

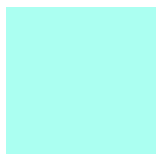
78.2297, 84.6991, 97.8134



Tritanomaly

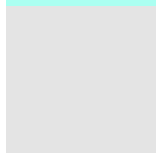
73.5877, 85.7727, 103.1198

Monochromacy



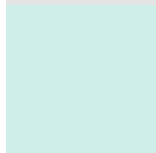
Original Color

68.4318, 86.5288, 96.3141



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.0146, 80.2977, 88.8469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4318, 86.5288, 96.3141 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(171, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 241)  
}
```

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(171, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 241) }
```

Border

The CSS property to change the border of an element to XYZ 68.4318, 86.5288, 96.3141 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(171, 255, 241) }
```


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

```
.border{ border-color:rgb(171, 255, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4318, 86.5288, 96.3141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 241) }
```

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

```
.background{ background-color: rgb(171,  
255, 241) }
```

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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