

Converting Colors

XYZ(69.1600, 84.5572,
107.2838)

Have a look what the booklet for
XYZ(69.1600, 84.5572, 107.2838)
contains.

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Color

**XYZ(69.3418, 84.8723,
107.3350)**

Conversions

Conversions Part 1

Format	Color
Hex	ABFBFF
RGB	171, 251, 255
RGB Percent	67%, 98%, 100%
CMY	0.3294, 0.0157, 0.0000
CMYK	0.33, 0.02, 0.00, 0.00
HSL	183°, 100%, 84%
HSV	183°, 33%, 100%
XYZ	69.3418, 84.8723, 107.3350
YIQ	227.5360, -48.9640, -15.7160

Conversions

Conversions Part 2

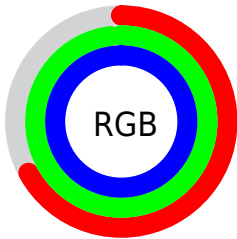
Format	Color
RYB	171, 212, 255
Decimal	11271167
CIELab	93.83, -23.28, -9.69
CIELCh	94, 25.219, 202.594
Yxy	84.8723, 0.2651, 0.3245
Android (android.graphics.Color)	4289461247 (0xFFABFBFF)
YUV	227.5360, 13.5398, -49.5821
Hunter-Lab	92.1262, -26.8669, -4.5897

Details

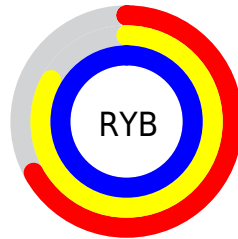
The XYZ color **69.3418, 84.8723, 107.3350** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **63.9209, 54.8601, 45.7501**, and the grayscale version is **73.3359, 77.1551, 84.0219**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **36.5551, 46.3056, 60.4373** is the 20% darker color. If you saturate the color by 10%, you get **63.9369, 81.5274, 106.9743**, and if you desaturate by 10%, it is **75.8250, 88.7810, 107.7478**.

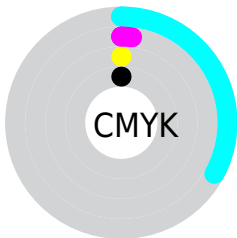
Distribution



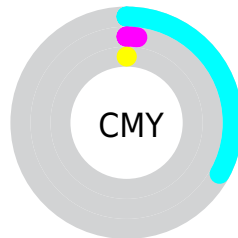
- Red (67%)
- Green (98%)
- Blue (100%)



- Red (67%)
- Yellow (83%)
- Blue (100%)



- Cyan (33%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3418, 84.8723, 107.3350 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 69.3418, 84.8723, 107.3350 by changing the saturation by 10% instead.

69.3418, 84.8723,
107.3350

69.3418, 84.8723,
107.3350

447.5381,
511.2054, 604.9084

51.2678, 63.7359,
81.7894

117.3010,
140.1947, 173.3407

36.6437, 46.4368,
60.6571

147.9170,
175.1496, 214.6378

25.1041, 32.5906,
43.5198

183.4442,
215.4793, 262.0225

16.2838, 21.8130,
29.9587

224.2482,
261.5683, 315.9133

9.8173, 13.7196,
19.5555

270.6942,
313.8010, 376.7287

5.3393, 7.9259,
11.8915

323.1476,

2.4845, 4.0476,

372.5619, 444.8874

6.5482

381.9738,
438.2352, 520.8078

■ 0.8874, 1.7002,
3.1071

■ 0.0000, 0.4238,
1.1496

■ 69.3418, 84.8723,
107.3350

■ 69.3418, 84.8723,
107.3350

■ 63.9369, 81.5274,
106.9743

■ 75.8250, 88.7810,
107.7478

■ 59.5419, 78.7045,
106.6610

■ 83.4367, 93.2729,
108.2136

■ 56.0906, 76.3718,
106.3927

■ 92.2321, 98.3786,
108.7356

■ 53.5068, 74.4898,
106.1656

■ 95.0500, 100.0000,
108.9000

■ 51.7017, 73.0129,
105.9757

■ 50.5681, 71.8857,
105.8179

■ 50.0618, 71.2436,
105.7206

Harmonies

Analogous

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



68.5476, 84.8723, 87.7335



69.3418, 84.8723, 107.3350



73.0879, 84.8723, 124.9525

Triad

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



69.3418, 84.8723, 107.3350



91.3488, 84.8723, 116.7034



82.3418, 84.8723, 60.4203

Complementary

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



69.3418, 84.8723, 107.3350



63.9209, 54.8601, 45.7501

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.



88.7561, 84.8723, 66.0759



69.3418, 84.8723, 107.3350



94.1403, 84.8723, 97.2529

Square

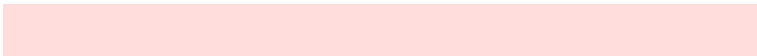
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.3418, 84.8723, 107.3350



85.7237, 84.8723, 130.8628



93.1662, 84.8723, 78.9397



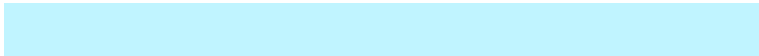
75.8162, 84.8723, 62.3430

Rectangle

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



69.3418, 84.8723, 107.3350



76.8732, 84.8723, 132.3095



93.1662, 84.8723, 78.9397



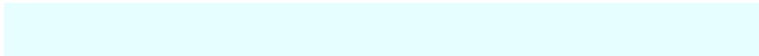
84.5869, 84.8723, 61.4679

Sweetspot

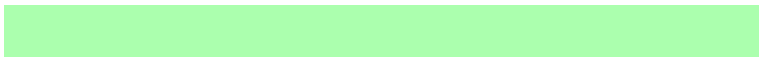
The Sweet Spot groups the original color and five complimentary colors.



69.3440, 84.8756, 107.3355



85.8971, 94.7089, 108.3611



60.1763, 83.2267, 52.8369



18.1310, 20.1232, 23.1785



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

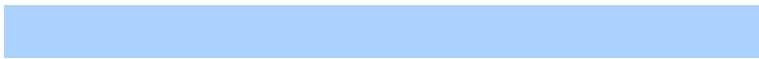
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.3440, 84.8756, 107.3355



65.4185, 82.4556, 107.0753



57.9420, 62.0714, 103.5349



18.4765, 20.3245, 23.1992



26.1908, 37.2911, 55.2521



2.5720, 3.6747, 5.3870

Inverse Universe

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



73.2170, 57.3526, 98.4818



69.9098, 50.9539, 96.7148



73.0962, 73.2107, 48.8085



18.7531, 18.2846, 22.5832



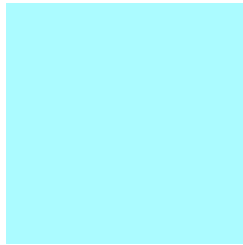
30.0081, 14.4925, 45.5545



2.9328, 1.4155, 4.4937

Previews

White Background



This preview shows how the XYZ color 69.3418, 84.8723, 107.3350 looks on a white background.

Color Contrast Check

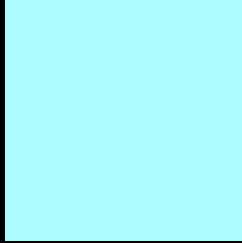
Large Text (above 18pt) WCAG AA × Fail

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 69.3418, 84.8723, 107.3350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

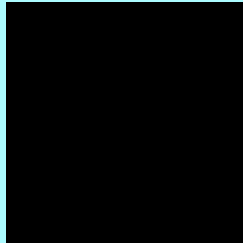
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

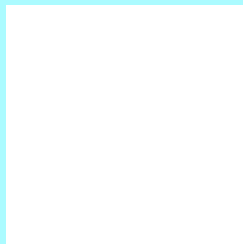
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.3418, 84.8723, 107.3350

Background



This preview shows how black text looks on a background with the XYZ color 69.3418, 84.8723, 107.3350.

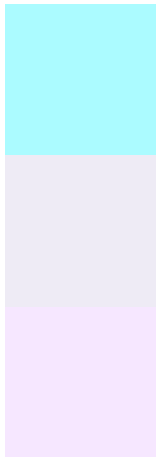


This preview shows how white text looks on a background with the XYZ color 69.3418, 84.8723,

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

69.3418, 84.8723, 107.3350

Protanopia

81.4497, 84.1864, 98.3429

Deuteranopia

84.6319, 83.9647, 106.3540



Tritanopia

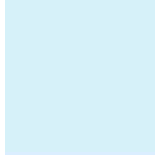
75.2774, 84.3003, 106.9118

Trichromacy



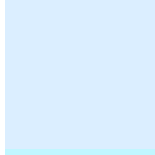
Original Color

69.3418, 84.8723, 107.3350



Protanomaly

76.2857, 84.0463, 101.8244



Deuteranomaly

77.8380, 83.4291, 106.6087



Tritanomaly

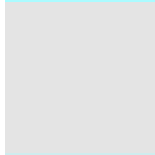
72.9981, 84.4690, 107.0645

Monochromacy



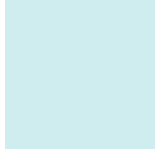
Original Color

69.3418, 84.8723, 107.3350



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.1602, 79.4293, 92.4698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.3418, 84.8723, 107.3350 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, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 251, 255)  
}
```

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, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 251, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.3418, 84.8723, 107.3350 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, 251, 255) }
```


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

```
.border{ border-color:rgb(171, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 251,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.3418, 84.8723, 107.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 251, 255) }
```

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

```
.background{ background-color: rgb(171,  
251, 255) }
```

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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