

Converting Colors

XYZ(70.4770, 84.1431,
113.1651)

Have a look what the booklet for
XYZ(70.4770, 84.1431, 113.1651)
contains.

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Color

**XYZ(69.2966, 83.4688,
107.0665)**

Conversions

Conversions Part 1

Format	Color
Hex	AFF8FF
RGB	175, 248, 255
RGB Percent	69%, 97%, 100%
CMY	0.3137, 0.0274, 0.0000
CMYK	0.31, 0.03, 0.00, 0.00
HSL	185°, 100%, 84%
HSV	185°, 31%, 100%
XYZ	69.2966, 83.4688, 107.0665
YIQ	226.9710, -45.7550, -13.2990

Conversions

Conversions Part 2

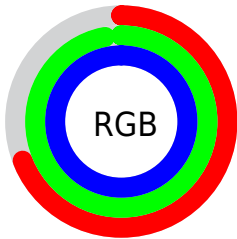
Format	Color
R_{YB}	175, 213, 255
Decimal	11532543
CIE _{Lab}	93.22, -20.76, -10.57
CIE _{LCh}	93, 23.294, 206.992
Yxy	83.4688, 0.2667, 0.3212
Android (android.graphics.Color)	4289722623 (0xFFAFF8FF)
YUV	226.9710, 13.8183, -45.5786
Hunter-Lab	91.3613, -24.4917, -5.5292

Details

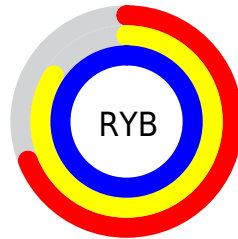
The XYZ color **69.2966, 83.4688, 107.0665** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.7059, 57.8107, 48.2548**, and the grayscale version is **72.9210, 76.7186, 83.5466**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **36.4316, 45.2608, 60.2421** is the 20% darker color. If you saturate the color by 10%, you get **63.4238, 79.4316, 106.5968**, and if you desaturate by 10%, it is **76.2627, 88.0859, 107.5905**.

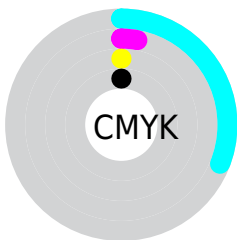
Distribution



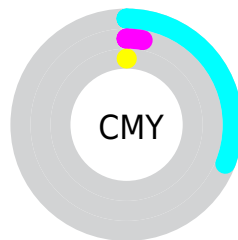
- Red (69%)
- Green (97%)
- Blue (100%)



- Red (69%)
- Yellow (84%)
- Blue (100%)



- Cyan (31%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.2966, 83.4688, 107.0665 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 69.2966, 83.4688, 107.0665 by changing the saturation by 10% instead.

69.2966, 83.4688,
107.0665

69.2966, 83.4688,
107.0665

447.3814,
506.5476, 604.0578

51.2308, 62.5770,
81.5654

117.2369,
138.2319, 172.9710

36.6141, 45.4991,
60.4736

147.8420,
172.8719, 214.2116

25.0812, 31.8507,
43.3727

183.3578,
212.8634, 261.5356

16.2666, 21.2475,
29.8441

224.1493,
258.5908, 315.3617

9.8050, 13.3050,
19.4692

270.5821,
310.4386, 376.1084

5.3312, 7.6389,
11.8296

323.0215,

2.4796, 3.8648,

368.7910, 444.1943

6.5066

381.8328,
434.0326, 520.0379

0.8850, 1.5982,
3.0818

0.0000, 0.3564,
1.1365

69.2966, 83.4688,
107.0665

69.2966, 83.4688,
107.0665

63.4238, 79.4316,
106.5968

76.2627, 88.0859,
107.5905

58.5766, 75.9332,
106.1770

84.3716, 93.3022,
108.1700

54.6901, 72.9420,
105.8045

93.6778, 99.1479,
108.8079

51.6894, 70.4195,
105.4757

95.0500, 100.0000,
108.9000

■ 49.4879, 68.3210,
105.1867

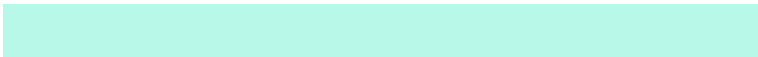
■ 47.9821, 66.5930,
104.9326

■ 47.1044, 65.3288,
104.7348

Harmonies

Analogous

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



68.1457, 83.4688, 89.1248



69.2966, 83.4688, 107.0665



73.0905, 83.4688, 122.2025

Triad

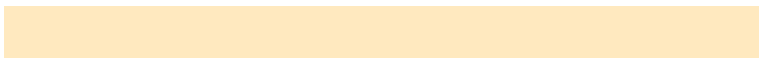
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.2966, 83.4688, 107.0665



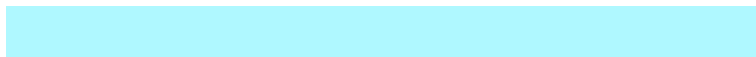
89.6259, 83.4688, 110.5227



79.9542, 83.4688, 61.1916

Complementary

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



69.2966, 83.4688, 107.0665



65.7059, 57.8107, 48.2548

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.



85.9245, 83.4688, 65.4323



69.2966, 83.4688, 107.0665



91.6857, 83.4688, 92.6649

Square

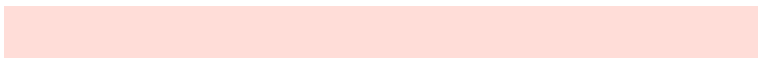
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.2966, 83.4688, 107.0665



84.8005, 83.4688, 124.3715



90.2980, 83.4688, 76.4190



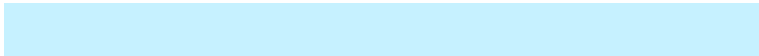
74.1087, 83.4688, 64.0207

Rectangle

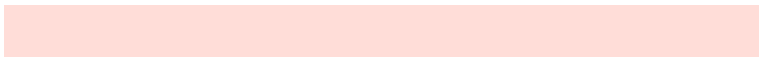
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.2966, 83.4688, 107.0665



76.7132, 83.4688, 127.8653



90.2980, 83.4688, 76.4190



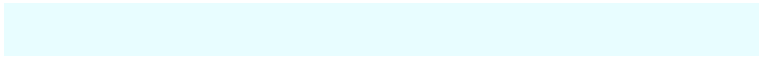
82.0151, 83.4688, 61.8230

Sweetspot

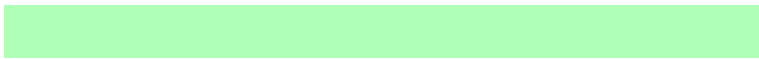
The Sweet Spot groups the original color and five complimentary colors.



69.2988, 83.4720, 107.0670



86.4681, 94.6304, 108.3159



61.8494, 83.9981, 57.0308



18.2307, 20.0794, 23.1648



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

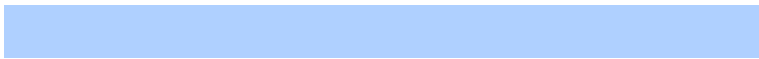
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.2988, 83.4720, 107.0670



65.2864, 80.7315, 106.7495



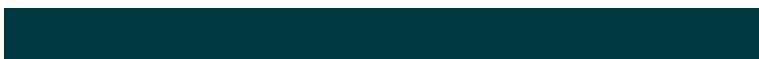
58.3677, 61.6098, 103.4233



18.4110, 20.1937, 23.1774



24.6694, 34.2483, 54.7450



2.4402, 3.4111, 5.3431

Inverse Universe

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



73.5147, 58.6989, 96.2661



70.1994, 52.4341, 94.0339



75.0114, 76.4217, 51.3566



18.7201, 18.2714, 22.4093



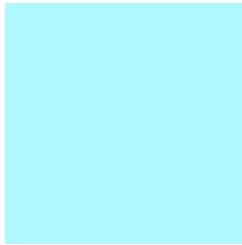
29.2402, 14.1854, 41.5107



2.8663, 1.3889, 4.1434

Previews

White Background



This preview shows how the XYZ color 69.2966, 83.4688, 107.0665 looks on a white background.

Color Contrast Check

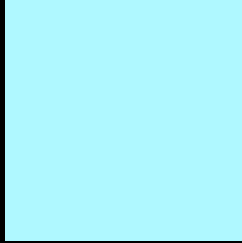
Large Text (above 18pt) WCAG AA × Fail

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 69.2966, 83.4688, 107.0665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

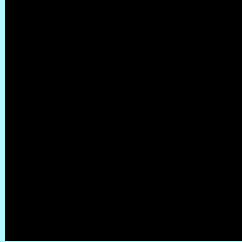
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.2966, 83.4688, 107.0665

Background



This preview shows how black text looks on a background with the XYZ color 69.2966, 83.4688, 107.0665.

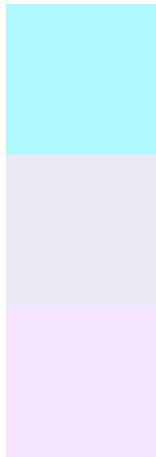


This preview shows how white text looks on a background with the XYZ color 69.2966, 83.4688,

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

69.2966, 83.4688, 107.0665

Protanopia

80.0344, 82.5938, 98.9127

Deuteranopia

83.3775, 82.4917, 106.1358



Tritanopia

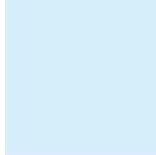
73.8895, 83.1418, 106.7613

Trichromacy



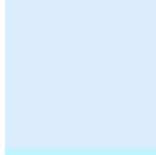
Original Color

69.2966, 83.4688, 107.0665



Protanomaly

75.1140, 82.1348, 101.5172



Deuteranomaly

77.2589, 82.2710, 106.4156



Tritanomaly

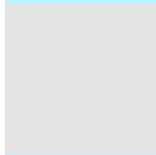
72.1389, 83.1278, 106.8509

Monochromacy



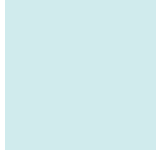
Original Color

69.2966, 83.4688, 107.0665



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

71.0068, 78.9410, 91.6154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.2966, 83.4688, 107.0665 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(175, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 248, 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(175, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.2966, 83.4688, 107.0665 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(175, 248, 255) }
```


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

```
.border{ border-color:rgb(175, 248, 255) }
```

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

Here you see how a box with a 4 pixel rgb(175, 248, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.2966, 83.4688, 107.0665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 248, 255) }
```

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

```
.background{ background-color: rgb(175,  
248, 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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