

Converting Colors

XYZ(72.3535, 86.0543,
133.1496)

Have a look what the booklet for
XYZ(72.3535, 86.0543, 133.1496)
contains.

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Color

**XYZ(67.2451, 83.7914,
107.2369)**

Conversions

Conversions Part 1

Format	Color
Hex	A1FBFF
RGB	161, 251, 255
RGB Percent	63%, 98%, 100%
CMY	0.3686, 0.0157, 0.0000
CMYK	0.37, 0.02, 0.00, 0.00
HSL	183°, 100%, 82%
HSV	183°, 37%, 100%
XYZ	67.2451, 83.7914, 107.2369
YIQ	224.5460, -54.9240, -17.8360

Conversions

Conversions Part 2

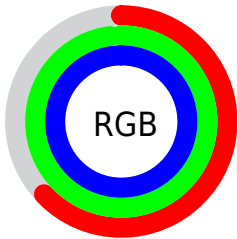
Format	Color
R _Y B	161, 207, 255
Decimal	10615807
CIE Lab	93.36, -25.85, -10.44
CIE LCh	93, 27.875, 201.985
Yxy	83.7914, 0.2604, 0.3244
Android (android.graphics.Color)	4288805887 (0xFFA1FBFF)
YUV	224.5460, 15.0138, -55.7298
Hunter-Lab	91.5376, -29.0618, -5.3822

Details

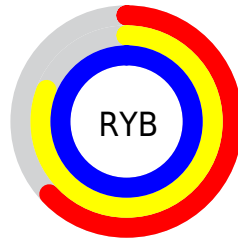
The XYZ color **67.2451, 83.7914, 107.2369** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **61.1285, 50.7435, 40.2928**, and the grayscale version is **71.1681, 74.8744, 81.5382**.

A 20% lighter version of the original color is **83.0234, 93.8001, 108.3372**, and **35.1937, 45.6038, 60.3736** is the 20% darker color. If you saturate the color by 10%, you get **62.2839, 80.7346, 106.9084**, and if you desaturate by 10%, it is **73.2606, 87.3987, 107.6161**.

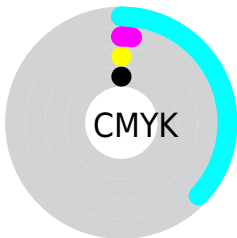
Distribution



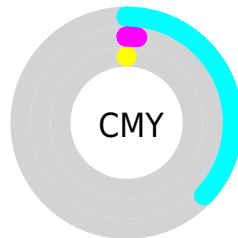
- Red (63%)
- Green (98%)
- Blue (100%)



- Red (63%)
- Yellow (81%)
- Blue (100%)



- Cyan (37%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (37%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.2451, 83.7914, 107.2369 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 67.2451, 83.7914, 107.2369 by changing the saturation by 10% instead.


 67.2451, 83.7914,
107.2369


 67.2451, 83.7914,
107.2369


440.2355,
507.6203, 604.5977

 49.5553, 62.8432,
81.7075


 114.3194,
138.6833, 173.2056

 35.2765, 45.7144,
60.5901


 144.4346,
173.3959, 214.4821

 24.0435, 32.0205,
43.4660


179.4223,
213.4654, 261.8446

 15.4908, 21.3772,
29.9168

219.6478,
259.2761, 315.7118

 9.2531, 13.4000,
19.5239

265.4765,
311.2126, 376.5021

 4.9651, 7.7045,
11.8688

317.2738,

 2.2613, 3.9065,

369.6592, 444.6342

6.5330

375.4050,
435.0003, 520.5266

0.7748, 1.6214,
3.0978

0.0000, 0.3720,
1.1448

67.2451, 83.7914,
107.2369

67.2451, 83.7914,
107.2369

62.2839, 80.7346,
106.9084

73.2606, 87.3987,
107.6161

58.3061, 78.1856,
106.6260

80.3823, 91.5771,
108.0473

55.2428, 76.1109,
106.3870

88.6668, 96.3578,
108.5334

53.0134, 74.4689,
106.1876

95.0500, 100.0000,
108.9000

■ 51.5230, 73.2108,
106.0233

■ 50.6517, 72.2747,
105.8885

■ 50.4490, 72.0179,
105.8497

Harmonies

Analogous

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



66.4537, 83.7914, 85.7083



67.2451, 83.7914, 107.2369



71.2528, 83.7914, 126.9716

Triad

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



67.2451, 83.7914, 107.2369



91.2993, 83.7914, 118.4927



81.6274, 83.7914, 56.7455

Complementary

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



67.2451, 83.7914, 107.2369



61.1285, 50.7435, 40.2928

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.



88.6634, 83.7914, 62.9240



67.2451, 83.7914, 107.2369



94.4673, 83.7914, 96.9935

Square

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



67.2451, 83.7914, 107.2369



85.0486, 83.7914, 134.1348



93.4742, 83.7914, 76.9091



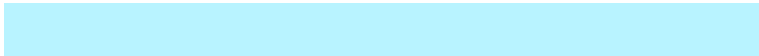
74.4681, 83.7914, 58.6218

Rectangle

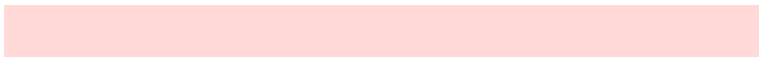
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.2451, 83.7914, 107.2369



75.3511, 83.7914, 135.3784



93.4742, 83.7914, 76.9091



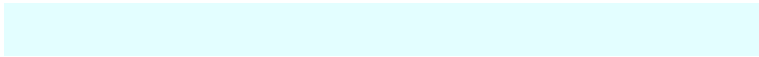
84.0911, 83.7914, 57.9107

Sweetspot

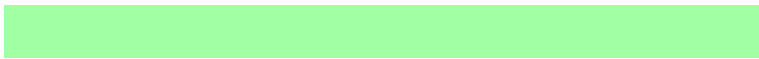
The Sweet Spot groups the original color and five complimentary colors.



67.2473, 83.7946, 107.2374



85.0936, 94.3044, 108.3254



57.1720, 81.7828, 47.9594



17.9725, 20.0460, 23.1720



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.



67.2473, 83.7946, 107.2374



63.6004, 81.5564, 106.9976



54.5487, 58.3974, 103.0045



18.4848, 20.3412, 23.2019



26.3898, 37.6892, 55.3184



2.5892, 3.7091, 5.3927

Inverse Universe

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



71.3989, 53.7165, 97.8756



68.3240, 47.7615, 96.2500



71.0013, 70.4891, 43.5837



18.7573, 18.2863, 22.6053



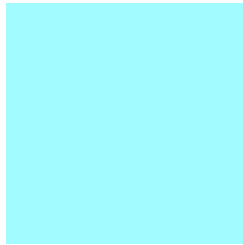
30.1086, 14.5327, 46.0836



2.9415, 1.4190, 4.5394

Previews

White Background



This preview shows how the XYZ color 67.2451, 83.7914, 107.2369 looks on a white background.

Color Contrast Check

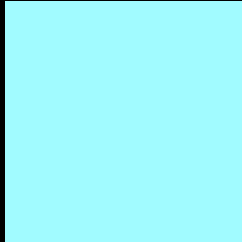
Large Text (above 18pt) WCAG AA × Fail

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 67.2451, 83.7914, 107.2369 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 67.2451, 83.7914, 107.2369

Background



This preview shows how black text looks on a background with the XYZ color 67.2451, 83.7914, 107.2369.

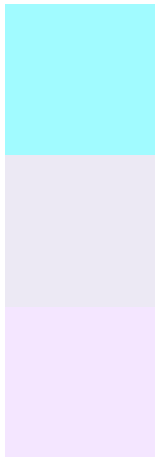


This preview shows how white text looks on a background with the XYZ color 67.2451, 83.7914,

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

67.2451, 83.7914, 107.2369

Protanopia

80.0601, 82.6423, 97.3199

Deuteranopia

83.6550, 83.0467, 106.2283



Tritanopia

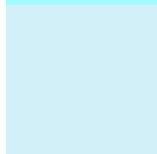
73.3893, 83.3270, 106.8234

Trichromacy



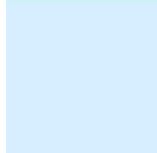
Original Color

67.2451, 83.7914, 107.2369



Protanomaly

74.3979, 82.6528, 100.8393



Deuteranomaly

76.3561, 82.6652, 106.5393



Tritanomaly

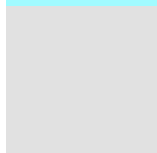
71.0134, 83.4458, 106.9716

Monochromacy



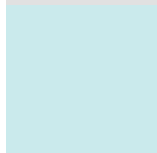
Original Color

67.2451, 83.7914, 107.2369



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.9203, 77.4583, 90.6753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2451, 83.7914, 107.2369 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(161, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 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(161, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 251, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.2451, 83.7914, 107.2369 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(161, 251, 255) }
```


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

```
.border{ border-color:rgb(161, 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(161, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 251,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2451, 83.7914, 107.2369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 251, 255) }
```

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

```
.background{ background-color: rgb(161,  
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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