

Converting Colors

XYZ(72.4754, 85.9647,
132.4289)

Have a look what the booklet for
XYZ(72.4754, 85.9647, 132.4289)
contains.

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Color

**XYZ(67.6514, 84.0009,
107.2559)**

Conversions

Conversions Part 1

Format	Color
Hex	A3FBFF
RGB	163, 251, 255
RGB Percent	64%, 98%, 100%
CMY	0.3608, 0.0157, 0.0000
CMYK	0.36, 0.02, 0.00, 0.00
HSL	183°, 100%, 82%
HSV	183°, 36%, 100%
XYZ	67.6514, 84.0009, 107.2559
YIQ	225.1440, -53.7320, -17.4120

Conversions

Conversions Part 2

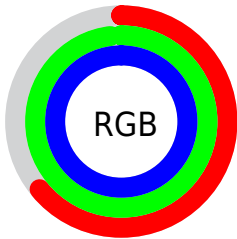
Format	Color
RYB	163, 208, 255
Decimal	10746879
CIELab	93.45, -25.35, -10.29
CIELCh	93, 27.354, 202.098
Yxy	84.0009, 0.2613, 0.3244
Android (android.graphics.Color)	4288936959 (0xFFA3FBFF)
YUV	225.1440, 14.7190, -54.5003
Hunter-Lab	91.6520, -28.6342, -5.2278

Details

The XYZ color **67.6514, 84.0009, 107.2559** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **61.6698, 51.5417, 41.3503**, and the grayscale version is **71.5986, 75.3273, 82.0315**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **35.4287, 45.7250, 60.3846** is the 20% darker color. If you saturate the color by 10%, you get **62.6029, 80.8883, 106.9212**, and if you desaturate by 10%, it is **73.7590, 87.6666, 107.6416**.

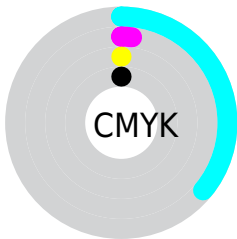
Distribution



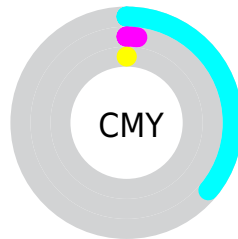
- Red (64%)
- Green (98%)
- Blue (100%)



- Red (64%)
- Yellow (82%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.6514, 84.0009, 107.2559 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 67.6514, 84.0009, 107.2559 by changing the saturation by 10% instead.


 67.6514, 84.0009,
107.2559


 67.6514, 84.0009,
107.2559


441.6560,
508.3162, 604.6579

 49.8868, 63.0162,
81.7234


 114.8980,
138.9764, 173.2318

 35.5409, 45.8543,
60.6031


 145.1107,
173.7360, 214.5122

 24.2483, 32.1309,
43.4764


180.2034,
213.8561, 261.8791

 15.6436, 21.4615,
29.9249

220.5417,
259.7209, 315.7508

 9.3616, 13.4617,
19.5301

266.4907,
311.7149, 376.5460

 5.0368, 7.7473,
11.8732

318.4158,

 2.3038, 3.9337,

370.2226, 444.6833

6.5359

376.6825,
435.6282, 520.5810

■ 0.7966, 1.6365,
3.0996

■ 0.0000, 0.3820,
1.1457

■ 67.6514, 84.0009,
107.2559

■ 67.6514, 84.0009,
107.2559

■ 62.6029, 80.8883,
106.9212

■ 73.7590, 87.6666,
107.6416

■ 58.5432, 78.2863,
106.6330

■ 80.9773, 91.9059,
108.0794

■ 55.4040, 76.1619,
106.3884

■ 89.3626, 96.7499,
108.5724

■ 53.1055, 74.4738,
106.1837

■ 95.0500, 100.0000,
108.9000

■ 51.5542, 73.1740,
106.0145

■ 50.6342, 72.2025,
105.8755

■ 50.3781, 71.8763,
105.8260

Harmonies

Analogous

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



66.8591, 84.0009, 86.1025



67.6514, 84.0009, 107.2559



71.6090, 84.0009, 126.5734

Triad

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



67.6514, 84.0009, 107.2559



91.3078, 84.0009, 118.1372



81.7650, 84.0009, 57.4520

Complementary

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



67.6514, 84.0009, 107.2559



61.6698, 51.5417, 41.3503

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.



88.6795, 84.0009, 63.5314



67.6514, 84.0009, 107.2559



94.4016, 84.0009, 97.0408

Square

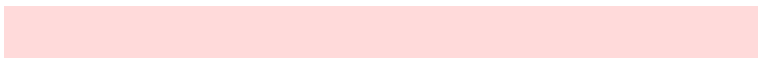
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.6514, 84.0009, 107.2559



85.1796, 84.0009, 133.4865



93.4119, 84.0009, 77.3013



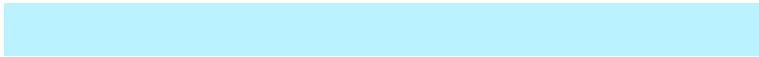
74.7290, 84.0009, 59.3381

Rectangle

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



67.6514, 84.0009, 107.2559



75.6468, 84.0009, 134.7719



93.4119, 84.0009, 77.3013



84.1860, 84.0009, 58.5950

Sweetspot

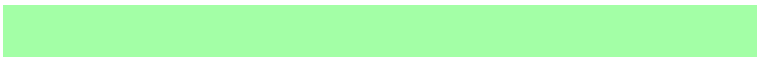
The Sweet Spot groups the original color and five complimentary colors.



67.6536, 84.0041, 107.2564



85.0854, 94.2879, 108.3227



57.7544, 82.0627, 48.9059



17.9706, 20.0420, 23.1713



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

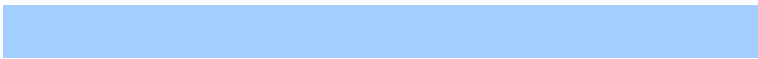
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.6536, 84.0041, 107.2564



64.0484, 81.7907, 107.0192



55.2108, 59.1184, 103.1088



18.4833, 20.3382, 23.2014



26.3534, 37.6164, 55.3063



2.5861, 3.7028, 5.3917

Inverse Universe

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



71.7512, 54.4211, 97.9931



68.7116, 48.5350, 96.3848



71.4118, 71.0257, 44.5976



18.7566, 18.2859, 22.6013



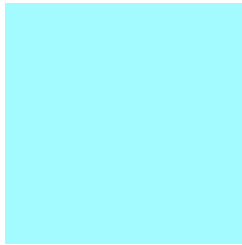
30.0902, 14.5254, 45.9868



2.9399, 1.4183, 4.5311

Previews

White Background



This preview shows how the XYZ color 67.6514, 84.0009, 107.2559 looks on a white background.

Color Contrast Check

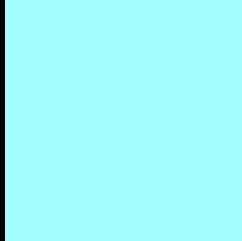
Large Text (above 18pt) WCAG AA × Fail

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 67.6514, 84.0009, 107.2559 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

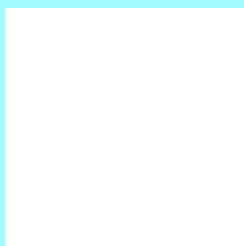
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.6514, 84.0009, 107.2559

Background



This preview shows how black text looks on a background with the XYZ color 67.6514, 84.0009, 107.2559.

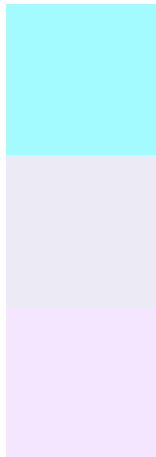


This preview shows how white text looks on a background with the XYZ color 67.6514, 84.0009,

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

67.6514, 84.0009, 107.2559

Protanopia

80.4963, 83.2711, 98.2165

Deuteranopia

83.6550, 83.0467, 106.2283



Tritanopia

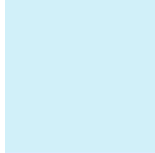
73.9200, 83.6005, 106.8483

Trichromacy



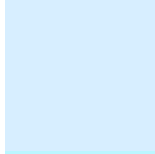
Original Color

67.6514, 84.0009, 107.2559



Protanomaly

74.5535, 82.7150, 101.6587



Deuteranomaly

76.6489, 82.8161, 106.5530



Tritanomaly

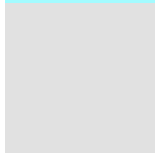
71.4993, 83.6963, 106.9943

Monochromacy



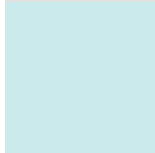
Original Color

67.6514, 84.0009, 107.2559



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 67.6514, 84.0009, 107.2559 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, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 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(163, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 251, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.6514, 84.0009, 107.2559 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, 251, 255) }
```


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

```
.border{ border-color:rgb(163, 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(163, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 251,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6514, 84.0009, 107.2559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 251, 255) }
```

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

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