

Converting Colors

XYZ(78.8077, 89.6363,
165.4930)

Have a look what the booklet for
XYZ(78.8077, 89.6363, 165.4930)
contains.

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Color

**XYZ(67.6725, 84.9441,
107.4369)**

Conversions

Conversions Part 1

Format	Color
Hex	A0FDFF
RGB	160, 253, 255
RGB Percent	63%, 99%, 100%
CMY	0.3725, 0.0078, 0.0000
CMYK	0.37, 0.01, 0.00, 0.00
HSL	181°, 100%, 81%
HSV	181°, 37%, 100%
XYZ	67.6725, 84.9441, 107.4369
YIQ	225.4210, -56.0700, -19.0940

Conversions

Conversions Part 2

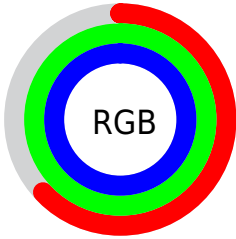
Format	Color
R _Y B	160, 207, 255
Decimal	10550783
CIE Lab	93.86, -27.06, -9.70
CIE LCh	94, 28.744, 199.720
Yxy	84.9441, 0.2602, 0.3266
Android (android.graphics.Color)	4288740863 (0xFFA0FDFF)
YUV	225.4210, 14.5824, -57.3742
Hunter-Lab	92.1651, -30.2248, -4.5988

Details

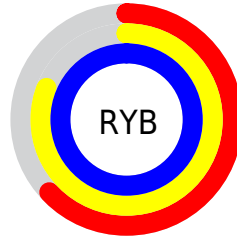
The XYZ color **67.6725, 84.9441, 107.4369** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.5059, 49.6389, 39.6520**, and the grayscale version is **71.8001, 75.5393, 82.2623**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **35.5265, 46.4406, 60.5176** is the 20% darker color. If you saturate the color by 10%, you get **62.9199, 82.2454, 107.1665**, and if you desaturate by 10%, it is **73.4755, 88.1892, 107.7574**.

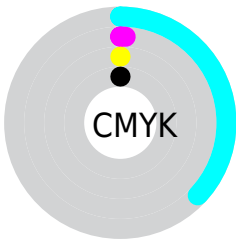
Distribution



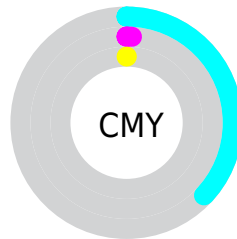
- Red (63%)
- Green (99%)
- Blue (100%)



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



- Cyan (37%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (37%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6725, 84.9441, 107.4369 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 67.6725, 84.9441, 107.4369 by changing the saturation by 10% instead.

67.6725, 84.9441,
107.4369

67.6725, 84.9441,
107.4369

441.7297,
511.4431, 605.2311

49.9040, 63.7952,
81.8744

114.9280,
140.2951, 173.4809

35.5546, 46.4848,
60.7268

145.1457,
175.2659, 214.7995

24.2590, 32.6286,
43.5756

180.2440,
215.6129, 262.2072

15.6516, 21.8421,
30.0022

220.5880,
261.7203, 316.1225

9.3672, 13.7409,
19.5882

266.5433,
313.9727, 376.9641

5.0405, 7.9407,
11.9150

318.4751,

2.3060, 4.0570,

372.7543, 445.1503

6.5640

376.7488,
438.4497, 521.0998

0.7978, 1.7055,
3.1167

0.0000, 0.4272,
1.1545

67.6725, 84.9441,
107.4369

67.6725, 84.9441,
107.4369

62.9199, 82.2454,
107.1665

73.4755, 88.1892,
107.7574

59.1466, 80.0502,
106.9416

80.3811, 92.0012,
108.1292

56.2834, 78.3248,
106.7595

88.4460, 96.4117,
108.5555

54.2491, 77.0276,
106.6163

95.0500, 100.0000,
108.9000

■ 52.9484, 76.1091,
106.5076

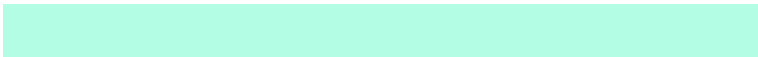
■ 52.2581, 75.5061,
106.4276

■ 52.1248, 75.3695,
106.4083

Harmonies

Analogous

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



67.1174, 84.9441, 85.1768



67.6725, 84.9441, 107.4369



71.5995, 84.9441, 128.4744

Triad

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



67.6725, 84.9441, 107.4369



92.4804, 84.9441, 122.4709



83.3892, 84.9441, 56.9377

Complementary

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



67.6725, 84.9441, 107.4369



60.5059, 49.6389, 39.6520

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.



90.6202, 84.9441, 63.9426



67.6725, 84.9441, 107.4369



96.0843, 84.9441, 100.2096

Square

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



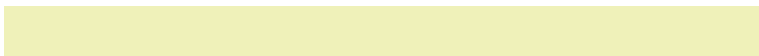
67.6725, 84.9441, 107.4369



85.7999, 84.9441, 138.0585



95.3828, 84.9441, 78.9974



75.8769, 84.9441, 58.2453

Rectangle

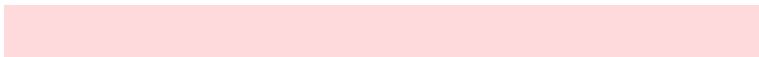
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.6725, 84.9441, 107.4369



75.7472, 84.9441, 137.8744



95.3828, 84.9441, 78.9974



85.9408, 84.9441, 58.3490

Sweetspot

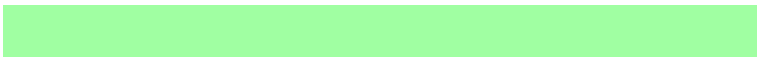
The Sweet Spot groups the original color and five complimentary colors.



67.6747, 84.9473, 107.4374



85.2851, 94.6874, 108.3892



56.7431, 81.5880, 46.7480



18.0185, 20.1380, 23.1873



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

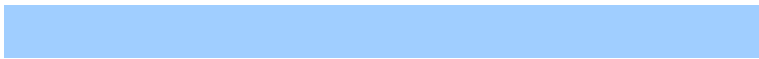
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.6747, 84.9473, 107.4374



63.9032, 82.8087, 107.2234



54.5999, 58.7976, 103.0791



18.5202, 20.4121, 23.2138



27.2511, 39.4119, 55.6056



2.6634, 3.8574, 5.4175

Inverse Universe

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



71.5419, 53.4953, 99.4871



68.3189, 47.1550, 98.0869



70.4070, 69.4411, 42.9523



18.7752, 18.2934, 22.6995



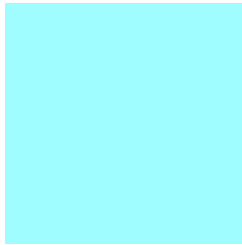
30.5433, 14.7066, 48.3730



2.9789, 1.4340, 4.7365

Previews

White Background



This preview shows how the XYZ color 67.6725, 84.9441, 107.4369 looks on a white background.

Color Contrast Check

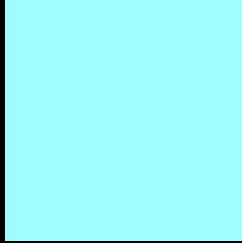
Large Text (above 18pt) WCAG AA × Fail

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 67.6725, 84.9441, 107.4369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

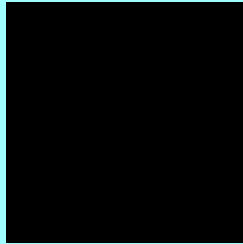
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.6725, 84.9441, 107.4369

Background



This preview shows how black text looks on a background with the XYZ color 67.6725, 84.9441, 107.4369.

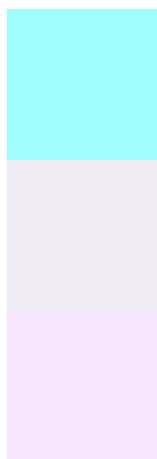


This preview shows how white text looks on a background with the XYZ color 67.6725, 84.9441,

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

67.6725, 84.9441, 107.4369

Protanopia

81.2974, 84.1255, 97.5410

Deuteranopia

84.6319, 83.9647, 106.3540



Tritanopia

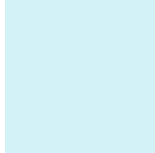
74.7578, 84.4779, 106.9735

Trichromacy



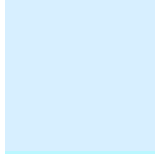
Original Color

67.6725, 84.9441, 107.4369



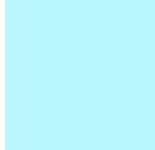
Protanomaly

75.2738, 83.9832, 101.0500



Deuteranomaly

76.9408, 83.4001, 106.6504



Tritanomaly

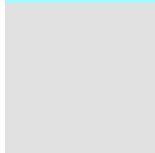
71.8043, 84.3063, 107.0960

Monochromacy



Original Color

67.6725, 84.9441, 107.4369



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.9360, 77.8903, 90.7579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6725, 84.9441, 107.4369 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(160, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(160, 253, 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(160, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.6725, 84.9441, 107.4369 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(160, 253, 255) }
```


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

```
.border{ border-color:rgb(160, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(160, 253,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6725, 84.9441, 107.4369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 253, 255) }
```

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

```
.background{ background-color: rgb(160,  
253, 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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