

Converting Colors

XYZ(76.3830, 87.3512,
139.7704)

Have a look what the booklet for
XYZ(76.3830, 87.3512, 139.7704)
contains.

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Color

**XYZ(70.1401, 84.8213,
107.2831)**

Conversions

Conversions Part 1

Format	Color
Hex	B0FAFF
RGB	176, 250, 255
RGB Percent	69%, 98%, 100%
CMY	0.3098, 0.0196, 0.0000
CMYK	0.31, 0.02, 0.00, 0.00
HSL	184°, 100%, 85%
HSV	184°, 31%, 100%
XYZ	70.1401, 84.8213, 107.2831
YIQ	228.4440, -45.7090, -14.1330

Conversions

Conversions Part 2

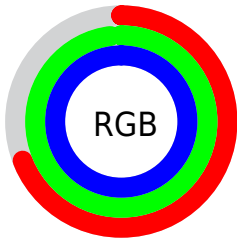
Format	Color
RYB	176, 214, 255
Decimal	11598591
CIELab	93.81, -21.47, -9.69
CIELCh	94, 23.555, 204.304
Yxy	84.8213, 0.2675, 0.3234
Android (android.graphics.Color)	4289788671 (0xFFB0FAFF)
YUV	228.4440, 13.0921, -45.9934
Hunter-Lab	92.0985, -25.2308, -4.5964

Details

The XYZ color **70.1401, 84.8213, 107.2831** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.6005, 57.4421, 48.7061**, and the grayscale version is **74.0009, 77.8547, 84.7837**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **37.0087, 46.2102, 60.3950** is the 20% darker color. If you saturate the color by 10%, you get **64.4086, 81.1280, 106.8723**, and if you desaturate by 10%, it is **76.9633, 89.0880, 107.7470**.

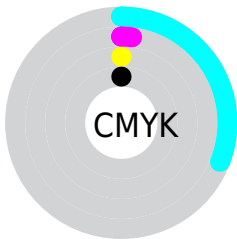
Distribution



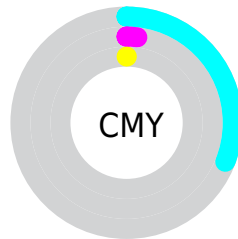
- Red (69%)
- Green (98%)
- Blue (100%)



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



- Cyan (31%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1401, 84.8213, 107.2831 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 70.1401, 84.8213, 107.2831 by changing the saturation by 10% instead.

70.1401, 84.8213,
107.2831

70.1401, 84.8213,
107.2831

450.3005,
511.0366, 604.7440

51.9208, 63.6937,
81.7461

118.4337,
140.1235, 173.2692

37.1659, 46.4027,
60.6216

149.2387,
175.0669, 214.5554

25.5103, 32.5637,
43.4913

184.9696,
215.3844, 261.9284

16.5884, 21.7924,
29.9366

225.9918,
261.4603, 315.8067

10.0349, 13.7044,
19.5388

272.6706,
313.6791, 376.6089

5.4846, 7.9154,
11.8795

325.3715,

2.5719, 4.0409,

372.4251, 444.7535

6.5401

384.4596,
438.0828, 520.6590

■ 0.9317, 1.6964,
3.1022

■ 0.0000, 0.4214,
1.1470

■ 70.1401, 84.8213,
107.2831

■ 70.1401, 84.8213,
107.2831

■ 64.4086, 81.1280,
106.8723

■ 76.9633, 89.0880,
107.7470

■ 59.7014, 77.9670,
106.5103

■ 84.9275, 93.9471,
108.2652

■ 55.9537, 75.3070,
106.1944

■ 94.0872, 99.4289,
108.8405

■ 53.0911, 73.1095,
105.9211

■ 95.0500, 100.0000,
108.9000

■ 51.0277, 71.3304,
105.6864

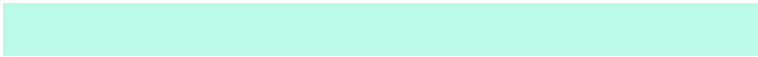
■ 49.6606, 69.9165,
105.4856

■ 48.8798, 68.8797,
105.3266

Harmonies

Analogous

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



69.2261, 84.8213, 88.9767



70.1401, 84.8213, 107.2831



73.7988, 84.8213, 123.2761

Triad

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



70.1401, 84.8213, 107.2831



90.7959, 84.8213, 113.9657



81.8207, 84.8213, 62.1252

Complementary

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



70.1401, 84.8213, 107.2831



65.6005, 57.4421, 48.7061

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.



87.8493, 84.8213, 67.0935



70.1401, 84.8213, 107.2831



93.2004, 84.8213, 95.8198

Square

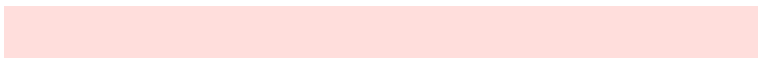
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.1401, 84.8213, 107.2831



85.6764, 84.8213, 127.4705



92.0952, 84.8213, 78.8820



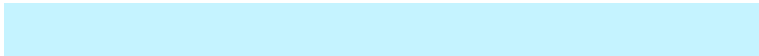
75.7668, 84.8213, 64.3664

Rectangle

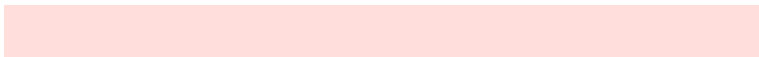
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.1401, 84.8213, 107.2831



77.4074, 84.8213, 129.6769



92.0952, 84.8213, 78.8820



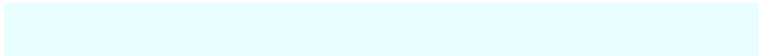
83.9205, 84.8213, 62.9853

Sweetspot

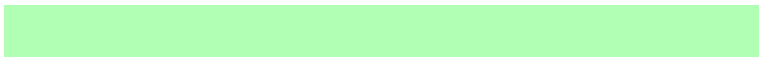
The Sweet Spot groups the original color and five complimentary colors.



70.1423, 84.8246, 107.2836



86.6437, 94.9817, 108.3744



61.8988, 84.0439, 56.1148



18.2743, 20.1667, 23.1793



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

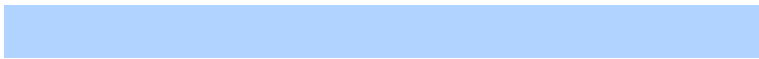
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.1423, 84.8246, 107.2836



66.5636, 82.5329, 107.0299



59.3870, 63.3138, 103.6985



18.4507, 20.2730, 23.1906



25.5829, 36.0754, 55.0495



2.5195, 3.5696, 5.3695

Inverse Universe

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



74.0221, 59.2145, 97.9744



71.0279, 53.4692, 96.2271



74.5263, 75.2937, 51.6814



18.7401, 18.2794, 22.5147



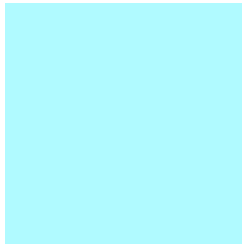
29.7013, 14.3698, 43.9388



2.9063, 1.4049, 4.3541

Previews

White Background



This preview shows how the XYZ color 70.1401, 84.8213, 107.2831 looks on a white background.

Color Contrast Check

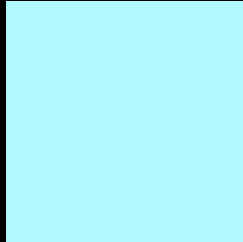
Large Text (above 18pt) WCAG AA × Fail

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 70.1401, 84.8213, 107.2831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

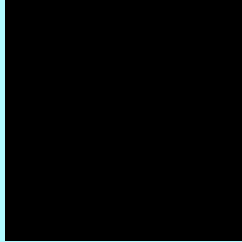
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.1401, 84.8213, 107.2831

Background



This preview shows how black text looks on a background with the XYZ color 70.1401, 84.8213, 107.2831.

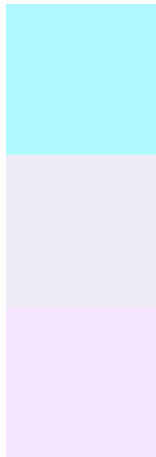


This preview shows how white text looks on a background with the XYZ color 70.1401, 84.8213,

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

70.1401, 84.8213, 107.2831

Protanopia

81.6028, 84.2476, 99.1493

Deuteranopia

84.6319, 83.9647, 106.3540



Tritanopia

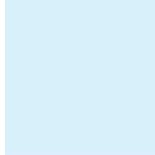
75.5542, 84.4430, 106.9247

Trichromacy



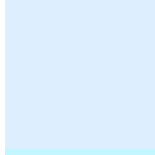
Original Color

70.1401, 84.8213, 107.2831



Protanomaly

76.2833, 83.6068, 101.7397



Deuteranomaly

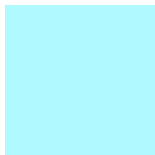
78.4433, 83.7412, 106.6370



Tritanomaly

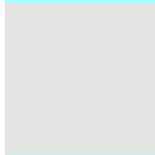
73.5114, 84.7336, 107.0885

Monochromacy



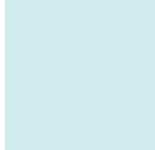
Original Color

70.1401, 84.8213, 107.2831



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.7226, 79.7193, 92.4961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1401, 84.8213, 107.2831 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(176, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 250, 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(176, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 250, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.1401, 84.8213, 107.2831 is called "border". The border property can be set on classes, ids or directly on the HTML element.

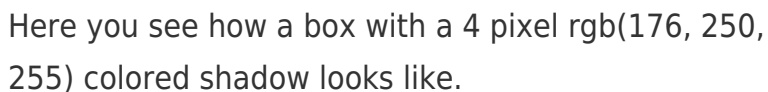
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 250, 255) }
```


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

```
.border{ border-color:rgb(176, 250, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 250, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 250, 255); box-shadow:4px 4px 4px 4px rgb(176, 250, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1401, 84.8213, 107.2831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 250, 255) }
```

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

```
.background{ background-color: rgb(176,  
250, 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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