

Converting Colors

XYZ(70.0232, 83.5564,
107.0451)

Have a look what the booklet for
XYZ(70.0232, 83.5564, 107.0451)
contains.

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Color

**XYZ(69.9012, 83.3252,
107.0069)**

Conversions

Conversions Part 1

Format	Color
Hex	B3F7FF
RGB	179, 247, 255
RGB Percent	70%, 97%, 100%
CMY	0.2980, 0.0314, 0.0000
CMYK	0.30, 0.03, 0.00, 0.00
HSL	186°, 100%, 85%
HSV	186°, 30%, 100%
XYZ	69.9012, 83.3252, 107.0069
YIQ	227.5800, -43.0960, -11.9280

Conversions

Conversions Part 2

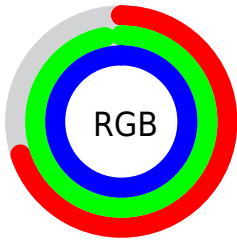
Format	Color
RYB	179, 215, 255
Decimal	11794431
CIELab	93.16, -19.18, -10.64
CIELCh	93, 21.937, 209.025
Yxy	83.3252, 0.2686, 0.3202
Android (android.graphics.Color)	4289984511 (0xFFB3F7FF)
YUV	227.5800, 13.5181, -42.6047
Hunter-Lab	91.2826, -23.0553, -5.6054

Details

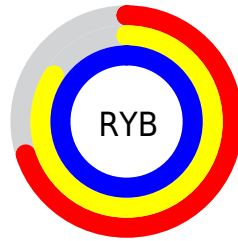
The XYZ color **69.9012, 83.3252, 107.0069** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.1472, 60.0552, 50.7026**, and the grayscale version is **73.3650, 77.1857, 84.0552**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **37.1360, 45.6239, 60.2751** is the 20% darker color. If you saturate the color by 10%, you get **63.7297, 78.9365, 106.4851**, and if you desaturate by 10%, it is **77.1787, 88.3057, 107.5847**.

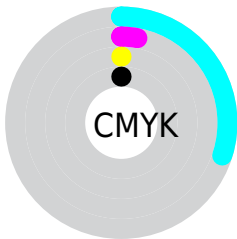
Distribution



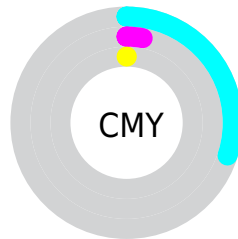
- Red (70%)
- Green (97%)
- Blue (100%)



- Red (70%)
- Yellow (84%)
- Blue (100%)



- Cyan (30%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9012, 83.3252, 107.0069 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 69.9012, 83.3252, 107.0069 by changing the saturation by 10% instead.

69.9012, 83.3252,
107.0069

69.9012, 83.3252,
107.0069

449.4749,
506.0697, 603.8689

51.7253, 62.4585,
81.5157

118.0949,
138.0308, 172.8890

37.0095, 45.4032,
60.4329

148.8434,
172.6385, 214.1169

25.3886, 31.7752,
43.3401

184.5134,
212.5953, 261.4275

16.4971, 21.1898,
29.8187

225.4704,
258.2856, 315.2392

9.9696, 13.2628,
19.4501

272.0797,
310.0938, 375.9707

5.4409, 7.6098,
11.8159

324.7067,

2.5456, 3.8463,

368.4043, 444.0405

6.4974

383.7166,
433.6014, 519.8670

■ 0.9183, 1.5880,
3.0762

■ 0.0000, 0.3495,
1.1337

■ 69.9012, 83.3252,
107.0069

■ 69.9012, 83.3252,
107.0069

■ 63.7297, 78.9365,
106.4851

■ 77.1787, 88.3057,
107.5847

■ 58.5974, 75.0989,
106.0149

■ 85.6111, 93.8972,
108.2195

■ 54.4404, 71.7815,
105.5937

95.0500, 100.0000,
108.9000

■ 51.1850, 68.9462,
105.2180

■ 48.7471, 66.5496,
104.8839

■ 47.0261, 64.5397,
104.5866

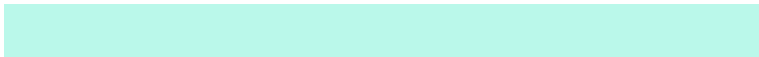
■ 45.8615, 62.8337,
104.3187

■ 45.8406, 62.8013,
104.3135

Harmonies

Analogous

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



68.6303, 83.3252, 90.1881



69.9012, 83.3252, 107.0069



73.6325, 83.3252, 120.7373

Triad

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



69.9012, 83.3252, 107.0069



89.0808, 83.3252, 108.0542



79.3868, 83.3252, 62.5592

Complementary

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



69.9012, 83.3252, 107.0069



67.1472, 60.0552, 50.7026

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.



85.0373, 83.3252, 66.1535



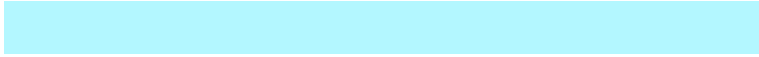
69.9012, 83.3252, 107.0069



90.7986, 83.3252, 91.2680

Square

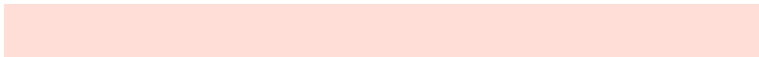
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.9012, 83.3252, 107.0069



84.6954, 83.3252, 121.3917



89.2848, 83.3252, 76.1881



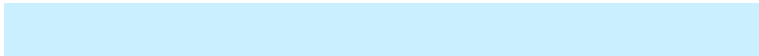
73.9440, 83.3252, 65.7171

Rectangle

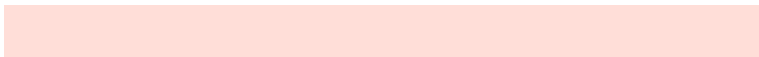
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.9012, 83.3252, 107.0069



77.1078, 83.3252, 125.5723



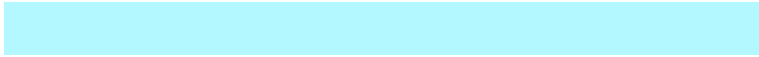
89.2848, 83.3252, 76.1881



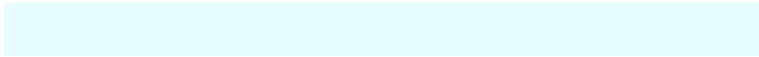
81.3259, 83.3252, 63.0095

Sweetspot

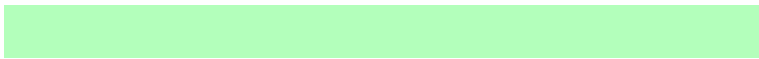
The Sweet Spot groups the original color and five complimentary colors.



69.9034, 83.3284, 107.0074



86.3395, 94.3733, 108.2730



63.2785, 84.6750, 59.8002



18.1988, 20.0156, 23.1542



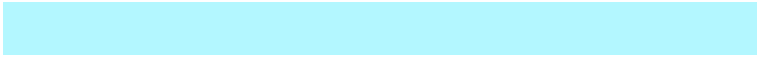
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



69.9034, 83.3284, 107.0074



65.9512, 80.5395, 106.6774



59.5406, 62.6027, 103.5532



18.3820, 20.1356, 23.1677



24.0188, 32.9471, 54.5281



2.3836, 3.2978, 5.3242

Inverse Universe

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



74.1500, 60.2174, 95.7143



70.9064, 54.1389, 93.3727



76.1947, 78.1500, 53.7184



18.7055, 18.2655, 22.3321



28.9118, 14.0540, 39.7813



2.8377, 1.3775, 3.9928

Previews

White Background



This preview shows how the XYZ color 69.9012, 83.3252, 107.0069 looks on a white background.

Color Contrast Check

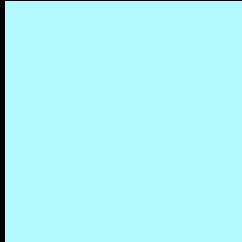
Large Text (above 18pt) WCAG AA × Fail

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 69.9012, 83.3252, 107.0069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

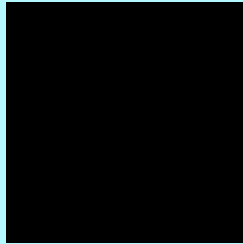
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.9012, 83.3252, 107.0069

Background



This preview shows how black text looks on a background with the XYZ color 69.9012, 83.3252, 107.0069.

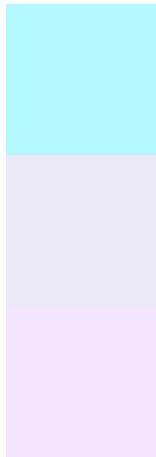


This preview shows how white text looks on a background with the XYZ color 69.9012, 83.3252,

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

69.9012, 83.3252, 107.0069

Protanopia

80.1884, 82.6554, 99.7234

Deuteranopia

83.3775, 82.4917, 106.1358



Tritanopia

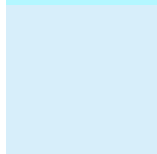
74.1593, 83.2808, 106.7739

Trichromacy



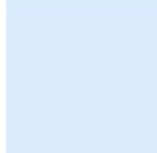
Original Color

69.9012, 83.3252, 107.0069



Protanomaly

75.8542, 82.4983, 102.3683



Deuteranomaly

77.5607, 82.4265, 106.4298



Tritanomaly

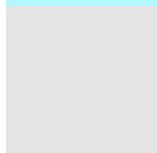
72.6488, 83.3907, 106.8748

Monochromacy



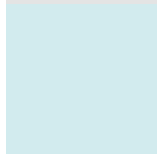
Original Color

69.9012, 83.3252, 107.0069



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.7193, 79.2913, 92.4137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9012, 83.3252, 107.0069 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(179, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 247, 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(179, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 247, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.9012, 83.3252, 107.0069 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(179, 247, 255) }
```


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

```
.border{ border-color:rgb(179, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 247,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9012, 83.3252, 107.0069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 247, 255) }
```

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

```
.background{ background-color: rgb(179,  
247, 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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