

Converting Colors

XYZ(69.8688, 82.9670,
106.7790)

Have a look what the booklet for
XYZ(69.8688, 82.9670, 106.7790)
contains.

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Color

**XYZ(69.8282, 82.8348,
106.9161)**

Conversions

Conversions Part 1

Format	Color
Hex	B4F6FF
RGB	180, 246, 255
RGB Percent	71%, 96%, 100%
CMY	0.2941, 0.0353, 0.0000
CMYK	0.29, 0.04, 0.00, 0.00
HSL	187°, 100%, 85%
HSV	187°, 29%, 100%
XYZ	69.8282, 82.8348, 106.9161
YIQ	227.2920, -42.2250, -11.1930

Conversions

Conversions Part 2

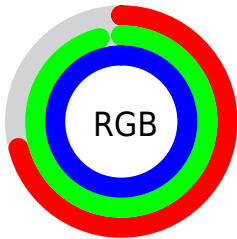
Format	Color
R_{YB}	180, 215, 255
Decimal	11859711
CIE _{Lab}	92.94, -18.41, -10.96
CIE _{LCh}	93, 21.428, 210.755
Yxy	82.8348, 0.2690, 0.3191
Android (android.graphics.Color)	4290049791 (0xFFB4F6FF)
YUV	227.2920, 13.6600, -41.4751
Hunter-Lab	91.0136, -22.3236, -5.9400

Details

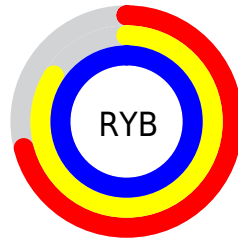
The XYZ color **69.8282, 82.8348, 106.9161** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.6761, 60.9503, 51.3797**, and the grayscale version is **73.1537, 76.9634, 83.8132**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **37.0639, 45.2641, 60.2094** is the 20% darker color. If you saturate the color by 10%, you get **63.5069, 78.2083, 106.3563**, and if you desaturate by 10%, it is **77.2612, 88.0613, 107.5332**.

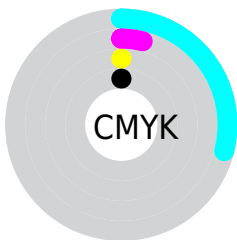
Distribution



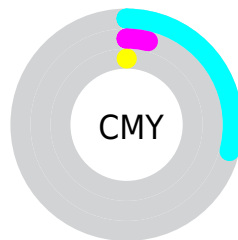
- Red (71%)
- Green (96%)
- Blue (100%)



- Red (71%)
- Yellow (84%)
- Blue (100%)



- Cyan (29%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8282, 82.8348, 106.9161 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 69.8282, 82.8348, 106.9161 by changing the saturation by 10% instead.

69.8282, 82.8348,
106.9161

69.8282, 82.8348,
106.9161

449.2224,
504.4358, 603.5810

51.6656, 62.0539,
81.4399

117.9913,
137.3441, 172.7640

36.9618, 45.0762,
60.3709

148.7225,
171.8412, 213.9727

25.3514, 31.5175,
43.2904

184.3740,
211.6792, 261.2628

16.4692, 20.9932,
29.7799

225.3111,
257.2424, 315.0526

9.9497, 13.1190,
19.4210

271.8991,
308.9153, 375.7608

5.4276, 7.5106,
11.7950

324.5034,

2.5376, 3.7834,

367.0822, 443.8060

6.4834

383.4894,
432.1276, 519.6065

■ 0.9143, 1.5532,
3.0677

■ 0.0000, 0.3257,
1.1293

■ 69.8282, 82.8348,
106.9161

■ 69.8282, 82.8348,
106.9161

■ 63.5069, 78.2083,
106.3563

■ 77.2612, 88.0613,
107.5332

■ 58.2307, 74.1412,
105.8493

■ 85.8549, 93.9069,
108.2085

■ 53.9361, 70.6026,
105.3927

95.0500, 100.0000,
108.9000

■ 50.5496, 67.5546,
104.9828

■ 47.9874, 64.9539,
104.6159

■ 46.1500, 62.7490,
104.2871

■ 44.8844, 60.8609,
103.9894

■ 44.8170, 60.7539,
103.9723

Harmonies

Analogous

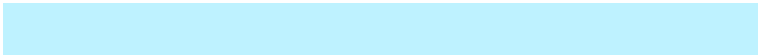
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.4392, 82.8348, 90.6001



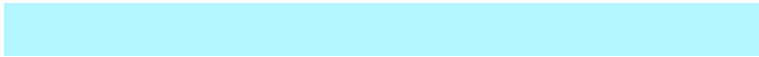
69.8282, 82.8348, 106.9161



73.5829, 82.8348, 119.8957

Triad

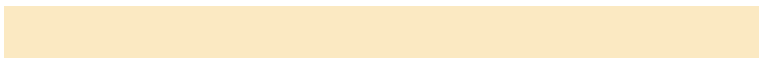
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.8282, 82.8348, 106.9161



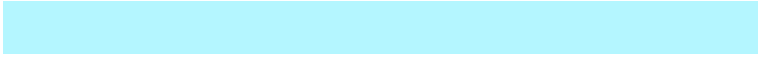
88.5156, 82.8348, 106.1295



78.5901, 82.8348, 62.7151

Complementary

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



69.8282, 82.8348, 106.9161



67.6761, 60.9503, 51.3797

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.



84.1159, 82.8348, 65.8520



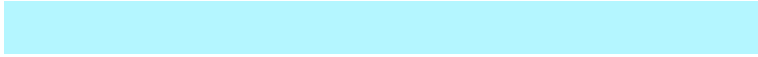
69.8282, 82.8348, 106.9161



90.0083, 82.8348, 89.7872

Square

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



69.8282, 82.8348, 106.9161



84.3731, 82.8348, 119.4049



88.3622, 82.8348, 75.3115



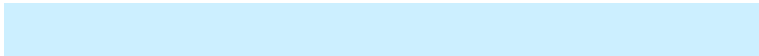
73.3481, 82.8348, 66.1822

Rectangle

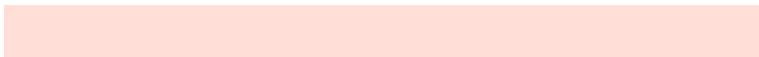
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.8282, 82.8348, 106.9161



77.0130, 82.8348, 124.2186



88.3622, 82.8348, 75.3115



80.4764, 82.8348, 63.0283

Sweetspot

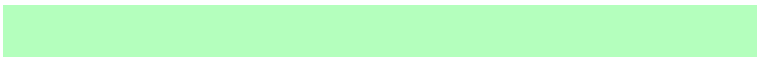
The Sweet Spot groups the original color and five complimentary colors.



69.8304, 82.8380, 106.9166



86.2330, 94.1604, 108.2375



63.7418, 84.8872, 61.0292



18.1723, 19.9628, 23.1454



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.



69.8304, 82.8380, 106.9166



66.1630, 80.1789, 106.5967



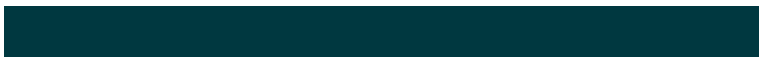
59.6130, 62.4032, 103.5108



18.3579, 20.0875, 23.1597



23.4915, 31.8926, 54.3523



2.3375, 3.2057, 5.3088

Inverse Universe

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



74.1973, 60.5581, 94.9706



71.2048, 54.9912, 92.6843



76.7434, 79.0850, 54.4022



18.6933, 18.2606, 22.2682



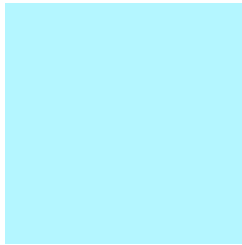
28.6456, 13.9475, 38.3799



2.8145, 1.3682, 3.8704

Previews

White Background



This preview shows how the XYZ color 69.8282, 82.8348, 106.9161 looks on a white background.

Color Contrast Check

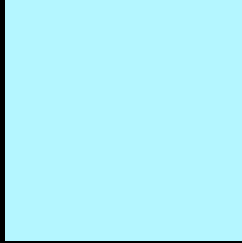
Large Text (above 18pt) WCAG AA × Fail

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 69.8282, 82.8348, 106.9161 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 69.8282, 82.8348, 106.9161

Background



This preview shows how black text looks on a background with the XYZ color 69.8282, 82.8348, 106.9161.



This preview shows how white text looks on a background with the XYZ color 69.8282, 82.8348,

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





Tritanopia

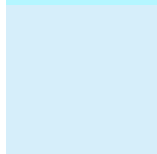
73.3247, 82.4100, 106.6498

Trichromacy



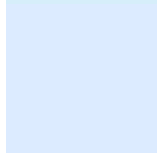
Original Color

69.8282, 82.8348, 106.9161



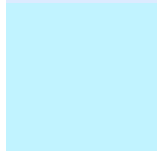
Protanomaly

75.5614, 82.3473, 102.3546



Deuteranomaly

77.2735, 81.8523, 106.3341



Tritanomaly

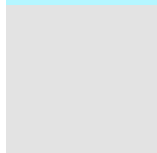
72.0929, 82.6586, 106.7628

Monochromacy



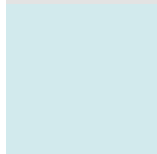
Original Color

69.8282, 82.8348, 106.9161



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

71.2872, 78.6617, 91.5468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8282, 82.8348, 106.9161 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(180, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 246, 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(180, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 246, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.8282, 82.8348, 106.9161 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(180, 246, 255) }
```


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

```
.border{ border-color:rgb(180, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 246,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8282, 82.8348, 106.9161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 246, 255) }
```

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

```
.background{ background-color: rgb(180,  
246, 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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