

# Converting Colors

XYZ(69.3112, 82.3166,  
106.8433)

Have a look what the booklet for  
XYZ(69.3112, 82.3166, 106.8433)  
contains.

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# Color

**XYZ(69.2928, 82.1085,  
106.8042)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3F5FF
RGB	179, 245, 255
RGB Percent	70%, 96%, 100%
CMY	0.2980, 0.0392, 0.0000
CMYK	0.30, 0.04, 0.00, 0.00
HSL	188°, 100%, 85%
HSV	188°, 30%, 100%
XYZ	69.2928, 82.1085, 106.8042
YIQ	226.4060, -42.5460, -10.8820

# Conversions

## Conversions Part 2

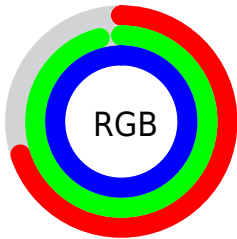
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 214, 255
Decimal	11793919
CIELab	92.62, -18.19, -11.44
CIElCh	93, 21.491, 212.158
Yxy	82.1085, 0.2684, 0.3180
Android (android.graphics.Color)	4289983999 (0xFFB3F5FF)
YUV	226.4060, 14.0968, -41.5751
Hunter-Lab	90.6137, -22.0742, -6.4541

# Details

The XYZ color **69.2928, 82.1085, 106.8042** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.5744, 60.9095, 50.8448**, and the grayscale version is **72.5076, 76.2836, 83.0728**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **36.7028, 44.7575, 60.1307** is the 20% darker color. If you saturate the color by 10%, you get **62.9303, 77.3379, 106.2187**, and if you desaturate by 10%, it is **76.7678, 87.4840, 107.4478**.

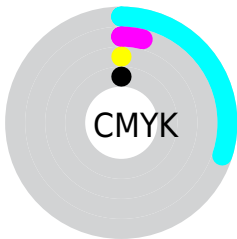
# Distribution



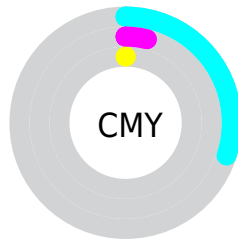
- Red (70%)
- Green (96%)
- Blue (100%)



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



- Cyan (30%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.2928, 82.1085, 106.8042 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 69.2928, 82.1085, 106.8042 by changing the saturation by 10% instead.



69.2928, 82.1085,  
106.8042

69.2928, 82.1085,  
106.8042

447.3682,  
502.0105, 603.2262

51.2277, 61.4550,  
81.3466

117.2315,  
136.3261, 172.6099

36.6116, 44.5925,  
60.2944

147.8358,  
170.6591, 213.7950

25.0792, 31.1365,  
43.2291

183.3505,  
210.3205, 261.0597

16.2651, 20.7028,  
29.7322

224.1410,  
255.6950, 314.8226

9.8040, 12.9070,  
19.3851

270.5727,  
307.1669, 375.5021

5.3305, 7.3645,  
11.7692

323.0109,

2.4792, 3.6911,

365.1205, 443.5169

6.4661

381.8209,  
429.9402, 519.2854

■ 0.8848, 1.5023,  
3.0572

■ 0.0000, 0.2904,  
1.1239

■ 69.2928, 82.1085,  
106.8042

■ 69.2928, 82.1085,  
106.8042

■ 62.9303, 77.3379,  
106.2187

■ 76.7678, 87.4840,  
107.4478

■ 57.6136, 73.1315,  
105.6870

■ 85.4043, 93.4838,  
108.1506

■ 53.2787, 69.4582,  
105.2064

95.0500, 100.0000,  
108.9000

■ 49.8519, 66.2800,  
104.7736

■ 47.2489, 63.5532,  
104.3845

■ 45.3692, 61.2259,  
104.0343

■ 44.0522, 59.2150,  
103.7156

■ 44.0284, 59.1767,  
103.7095

# Harmonies

## Analogous

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



67.7879, 82.1085, 90.5660



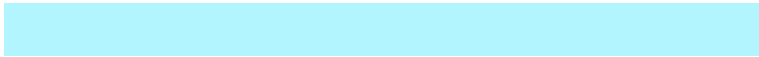
69.2928, 82.1085, 106.8042



73.1295, 82.1085, 119.4712

# Triad

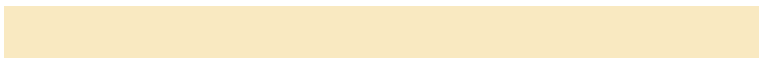
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.2928, 82.1085, 106.8042



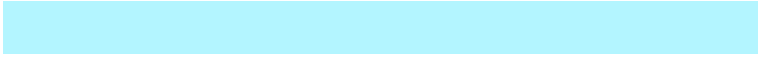
87.9350, 82.1085, 104.5605



77.6378, 82.1085, 62.0388

# Complementary

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



69.2928, 82.1085, 106.8042



67.5744, 60.9095, 50.8448

# 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.



83.1691, 82.1085, 64.8559



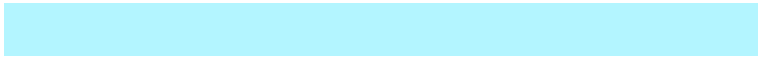
69.2928, 82.1085, 106.8042



89.2806, 82.1085, 88.2485

# Square

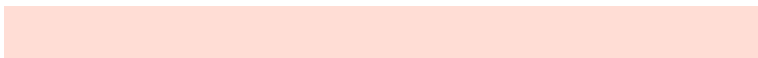
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



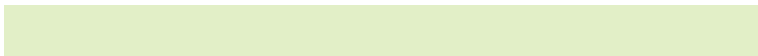
69.2928, 82.1085, 106.8042



83.9024, 82.1085, 118.0708



87.4976, 82.1085, 74.0012



72.4604, 82.1085, 65.7960

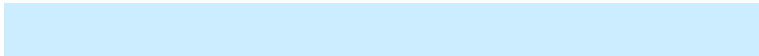


# Rectangle

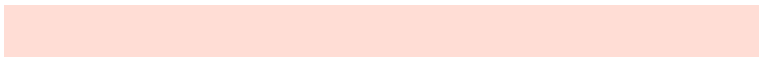
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.2928, 82.1085, 106.8042



76.5845, 82.1085, 123.4887



87.4976, 82.1085, 74.0012



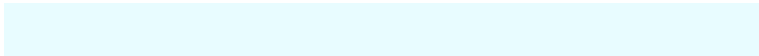
79.5172, 82.1085, 62.2476

# Sweetspot

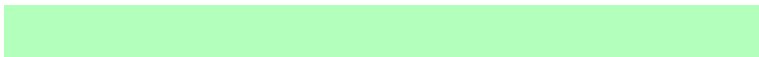
The Sweet Spot groups the original color and five complimentary colors.



69.2950, 82.1117, 106.8046



86.1495, 93.9934, 108.2097



63.4142, 84.7293, 60.5154



18.1516, 19.9214, 23.1385



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

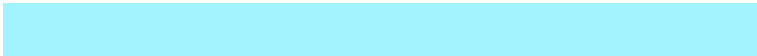


# Same Dimension

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



69.2950, 82.1117, 106.8046



65.2237, 79.0846, 106.4349



59.2301, 61.9819, 103.4497



18.3391, 20.0498, 23.1534



23.0852, 31.0799, 54.2169



2.3019, 3.1345, 5.2970



# Inverse Universe

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



73.8429, 60.0944, 94.0973



70.5392, 53.9921, 91.4391



76.5375, 78.8357, 53.8325



18.6838, 18.2568, 22.2180



28.4405, 13.8655, 37.2998

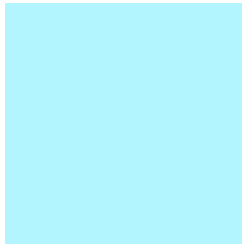


2.7965, 1.3610, 3.7758



# Previews

## White Background



This preview shows how the XYZ color 69.2928, 82.1085, 106.8042 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

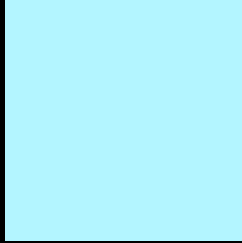
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.2928, 82.1085, 106.8042 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 69.2928, 82.1085, 106.8042

## Background



This preview shows how black text looks on a background with the XYZ color 69.2928, 82.1085, 106.8042.



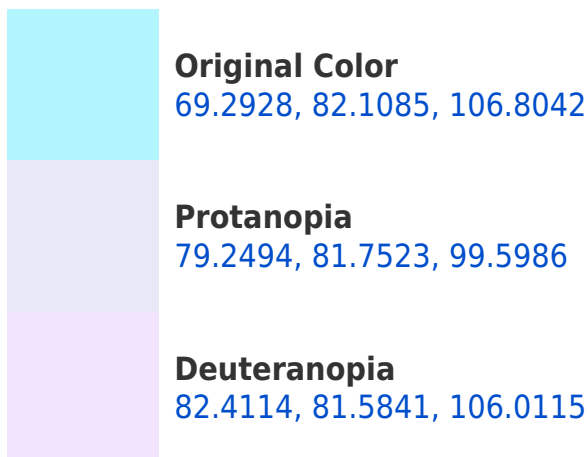
This preview shows how white text looks on a background with the XYZ color 69.2928, 82.1085,



# 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

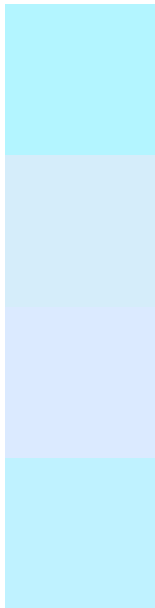




## Tritanopia

72.7940, 82.1364, 106.6250

# Trichromacy



## Original Color

69.2928, 82.1085, 106.8042

## Protanomaly

74.9801, 81.6166, 102.2442

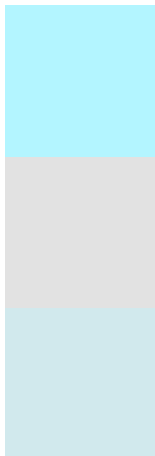
## Deuteranomaly

76.6862, 81.1257, 106.2248

## Tritanomaly

71.2880, 81.8006, 106.6396

# Monochromacy



## Original Color

69.2928, 82.1085, 106.8042

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

70.7195, 77.9476, 91.4388

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.2928, 82.1085, 106.8042 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, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 245, 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, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 245, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 69.2928, 82.1085, 106.8042 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, 245, 255) }
```



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

```
.border{ border-color:rgb(179, 245, 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, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 245,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.2928, 82.1085, 106.8042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 245, 255) }
```

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

```
.background{ background-color: rgb(179,  
245, 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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