

# Converting Colors

XYZ(69.7142, 84.8043,  
102.2933)

Have a look what the booklet for  
XYZ(69.7142, 84.8043, 102.2933)  
contains.

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# **Color**

**XYZ(69.6446, 84.6757,  
102.2959)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2FAF9
RGB	178, 250, 249
RGB Percent	70%, 98%, 98%
CMY	0.3019, 0.0196, 0.0235
CMYK	0.29, 0.00, 0.00, 0.02
HSL	179°, 88%, 84%
HSV	179°, 29%, 98%
XYZ	69.6446, 84.6757, 102.2959
YIQ	228.3580, -42.5910, -15.5750

# Conversions

## Conversions Part 2

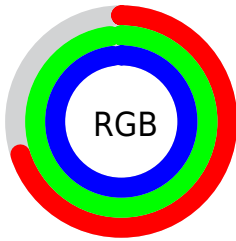
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 214, 250
Decimal	11729657
CIELab	93.74, -22.26, -6.67
CIELCh	94, 23.241, 196.679
Yxy	84.6757, 0.2714, 0.3300
Android (android.graphics.Color)	4289919737 (0xFFB2FAF9)
YUV	228.3580, 10.1765, -44.1640
Hunter-Lab	92.0194, -25.9368, -1.4978

# Details

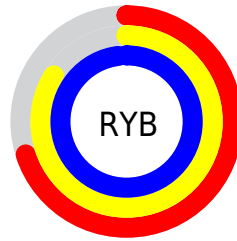
The XYZ color **69.6446, 84.6757, 102.2959** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.4844, 55.4220, 50.0027**, and the grayscale version is **73.9570, 77.8085, 84.7335**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **36.8640, 46.2011, 57.4269** is the 20% darker color. If you saturate the color by 10%, you get **64.3693, 81.9646, 101.7676**, and if you desaturate by 10%, it is **75.9702, 87.9325, 102.8776**.

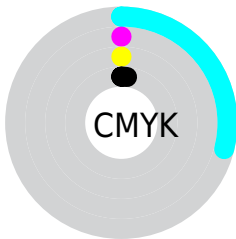
# Distribution



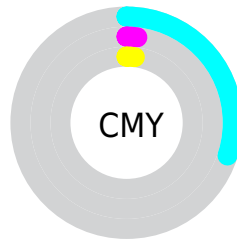
- Red (70%)
- Green (98%)
- Blue (98%)



- Red (70%)
- Yellow (84%)
- Blue (98%)



- Cyan (29%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)



- Cyan (30%)
- Magenta (2%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6446, 84.6757, 102.2959 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 69.6446, 84.6757, 102.2959 by changing the saturation by 10% instead.



69.6446, 84.6757,  
102.2959

69.6446, 84.6757,  
102.2959

448.5870,  
510.5544, 588.8382

51.5154, 63.5735,  
77.5918

117.7308,  
139.9200, 166.3880

36.8417, 46.3053,  
57.2242

148.4186,  
174.8308, 206.6131

25.2580, 32.4868,  
40.7747

184.0232,  
215.1133, 252.8490

16.3992, 21.7336,  
27.8247

224.9100,  
261.1519, 305.5141

9.8997, 13.6613,  
17.9557

271.4445,  
313.3308, 365.0270

5.3942, 7.8855,  
10.7491

323.9919,

2.5175, 4.0217,

372.0346, 431.8063

5.7863

382.9177,  
437.6477, 506.2705

■ 0.9041, 1.6857,  
2.6489

■ 0.0000, 0.4144,  
0.9175

■ 69.6446, 84.6757,  
102.2959

■ 69.6446, 84.6757,  
102.2959

■ 64.3693, 81.9646,  
101.7676

■ 75.9702, 87.9325,  
102.8776

■ 60.0802, 79.7597,  
101.2841

■ 83.3913, 91.7520,  
103.5092

■ 56.7174, 78.0324,  
100.8444

■ 91.9594, 96.1627,  
104.1951

■ 54.2117, 76.7469,  
100.4455

■ 92.7443, 96.5610,  
104.5172

■ 52.4840, 75.8625,  
100.0834

■ 92.7991, 96.5829,  
104.8057

■ 51.4409, 75.3309,  
99.7539

■ 92.8540, 96.6048,  
105.0947

■ 50.9459, 75.0819,  
99.4506

■ 92.9090, 96.6268,  
105.3842

■ 50.9019, 75.0600,  
99.4150

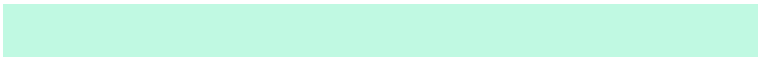
■ 92.9640, 96.6489,  
105.6743

■ 93.0192, 96.6709,  
105.9649

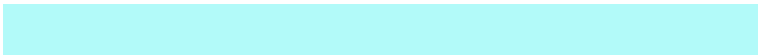
# Harmonies

## Analogous

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



69.4814, 84.6757, 84.5891



69.6446, 84.6757, 102.2959



72.6142, 84.6757, 119.1884

# Triad

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



69.6446, 84.6757, 102.2959



89.4242, 84.6757, 117.5258



83.2460, 84.6757, 62.9319

# Complementary

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



69.6446, 84.6757, 102.2959



63.4844, 55.4220, 50.0027

# 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.



88.8979, 84.6757, 69.6238



69.6446, 84.6757, 102.2959



92.5858, 84.6757, 100.2489

# Square

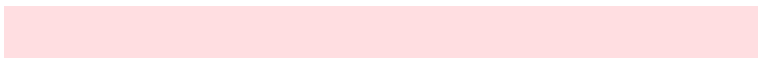
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.6446, 84.6757, 102.2959



83.9346, 84.6757, 128.7212



92.3885, 84.6757, 82.7865

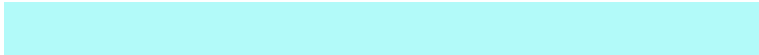


77.1248, 84.6757, 63.3321

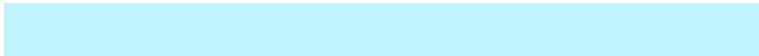


# Rectangle

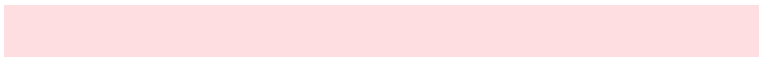
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.6446, 84.6757, 102.2959



75.8762, 84.6757, 127.0467



92.3885, 84.6757, 82.7865



85.2699, 84.6757, 64.3861

# Sweetspot

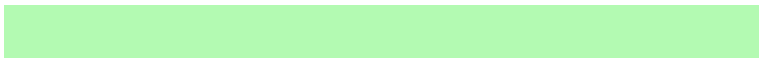
The Sweet Spot groups the original color and five complimentary colors.



69.6471, 84.6791, 102.2978



87.0535, 95.8836, 108.2573



60.8607, 81.1965, 54.5861



18.3761, 20.3908, 23.1502



0.0000, 0.0000, 0.0000

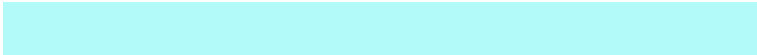


20.3446, 21.4041, 23.3091



# Same Dimension

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



69.6471, 84.6791, 102.2978



69.2840, 86.7402, 106.6528



59.9694, 65.0727, 99.8458



17.7548, 19.6042, 22.1753



27.0037, 39.8145, 52.7561



2.5043, 3.6888, 4.9033



# Inverse Universe

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



63.4844, 55.4220, 50.0027



61.8052, 51.2314, 43.1870



71.2072, 71.0293, 52.0783



17.2544, 17.2291, 17.9297



20.9263, 10.7862, 1.0545

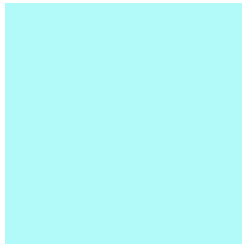


1.9415, 1.0003, 0.1152



# Previews

## White Background



This preview shows how the XYZ color 69.6446, 84.6757, 102.2959 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

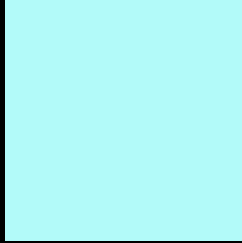
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.6446, 84.6757, 102.2959 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

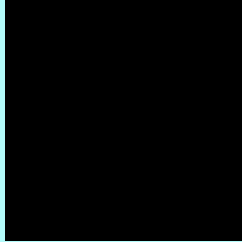
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 69.6446, 84.6757, 102.2959

## Background



This preview shows how black text looks on a background with the XYZ color 69.6446, 84.6757, 102.2959.



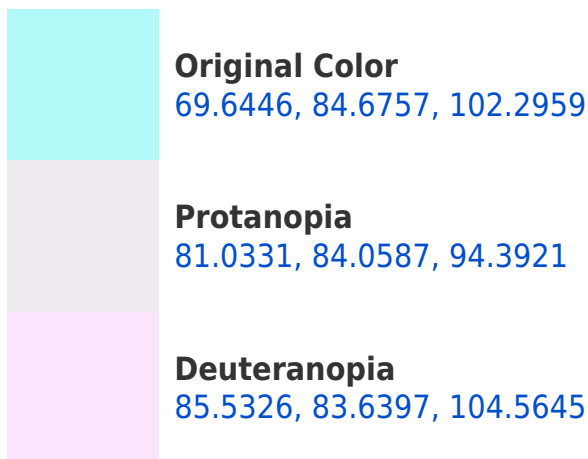
This preview shows how white text looks on a background with the XYZ color 69.6446, 84.6757,



# 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

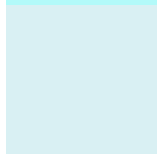
75.5542, 84.4430, 106.9247

# Trichromacy



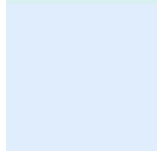
## Original Color

69.6446, 84.6757, 102.2959



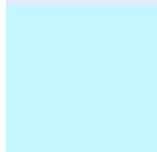
## Protanomaly

75.9530, 83.5430, 96.9163



## Deuteranomaly

78.5953, 83.4439, 104.0593



## Tritanomaly

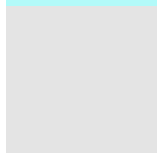
73.4503, 84.7391, 105.4136

# Monochromacy



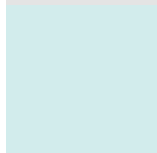
## Original Color

69.6446, 84.6757, 102.2959



## Achromatopsia

73.7419, 77.5822, 84.4870



## Achromatomaly

71.7141, 79.7487, 90.9702

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.6446, 84.6757, 102.2959 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(178, 250, 249)` looks like.

```
.text, #text, p{  
    color:rgb(178, 250, 249)  
}
```

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(178, 250, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 250, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 69.6446, 84.6757, 102.2959 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(178, 250, 249) }
```



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

```
.border{ border-color:rgb(178, 250, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 250, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 250, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 250, 249);  
box-shadow:4px 4px 4px 4px rgb(178, 250,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.6446, 84.6757, 102.2959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 250, 249) }
```

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

```
.background{ background-color: rgb(178,  
250, 249) }
```

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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