

# Converting Colors

XYZ(76.4928, 98.4635,  
103.9046)

Have a look what the booklet for  
XYZ(76.4928, 98.4635, 103.9046)  
contains.

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# Color

**XYZ(71.0634, 87.7623,  
102.0013)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2FFF8
RGB	178, 255, 248
RGB Percent	70%, 100%, 97%
CMY	0.3019, 0.0000, 0.0274
CMYK	0.30, 0.00, 0.03, 0.00
HSL	175°, 100%, 85%
HSV	175°, 30%, 100%
XYZ	71.0634, 87.7623, 102.0013
YIQ	231.1790, -43.6450, -18.5010

# Conversions

## Conversions Part 2

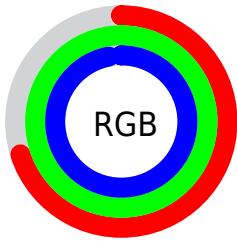
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 218, 255
Decimal	11730936
CIELab	95.06, -24.90, -4.21
CIELCh	95, 25.255, 189.597
Yxy	87.7623, 0.2725, 0.3365
Android (android.graphics.Color)	4289921016 (0xFFB2FFF8)
YUV	231.1790, 8.2928, -46.6380
Hunter-Lab	93.6815, -28.5391, 1.0216

# Details

The XYZ color **71.0634, 87.7623, 102.0013** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **65.9182, 56.6050, 53.3514**, and the grayscale version is **76.0524, 80.0130, 87.1342**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **37.7346, 48.3315, 57.2093** is the 20% darker color. If you saturate the color by 10%, you get **65.3894, 84.8785, 99.8716**, and if you desaturate by 10%, it is **77.8314, 91.2095, 104.2084**.

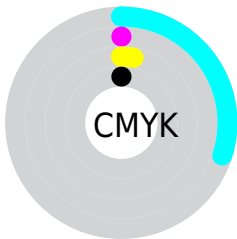
# Distribution



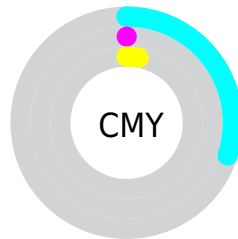
- Red (70%)
- Green (100%)
- Blue (97%)



- Red (70%)
- Yellow (85%)
- Blue (100%)



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0634, 87.7623, 102.0013 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 71.0634, 87.7623, 102.0013 by changing the saturation by 10% instead.



71.0634, 87.7623,  
102.0013

71.0634, 87.7623,  
102.0013

453.4834,  
520.7245, 587.8915

52.6767, 66.1262,  
77.3468

119.7420,  
144.2262, 165.9805

37.7712, 48.3749,  
57.0243

150.7646,  
179.8228, 206.1423

25.9815, 34.1239,  
40.6152

186.7299,  
220.8417, 252.3103

16.9424, 22.9888,  
27.7011

228.0031,  
267.6673, 304.9029

10.2885, 14.5852,  
17.8634

274.9497,  
320.6840, 364.3389

5.6544, 8.5288,  
10.6835

327.9351,

2.6747, 4.4351,

380.2761, 431.0366

5.7430

387.3245,  
446.8282, 505.4146

■ 0.9842, 1.9198,  
2.6232

■ 0.0000, 0.5603,  
0.9044

■ 71.0634, 87.7623,  
102.0013

■ 71.0634, 87.7623,  
102.0013

■ 65.3894, 84.8785,  
99.8716

■ 77.8314, 91.2095,  
104.2084

■ 60.7460, 82.5255,  
97.8118

■ 85.7460, 95.2473,  
106.4910

■ 57.0678, 80.6696,  
95.8202

94.8603, 99.9030,  
108.8532

■ 54.2810, 79.2727,  
93.8934

95.0500, 100.0000,  
108.9000

■ 52.3008, 78.2912,  
92.0272

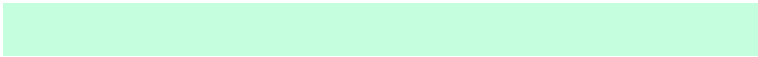
■ 51.0260, 77.6727,  
90.2169

■ 50.3004, 77.3361,  
88.4885

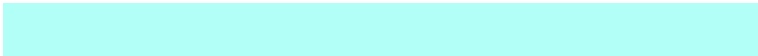
# Harmonies

## Analogous

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



71.6433, 87.7623, 82.9735



71.0634, 87.7623, 102.0013



73.6504, 87.7623, 121.7404

# Triad

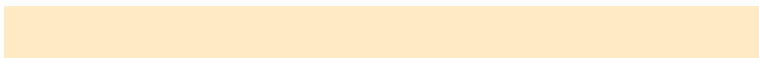
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.0634, 87.7623, 102.0013



92.1164, 87.7623, 127.7540



88.1032, 87.7623, 64.3205

# Complementary

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



71.0634, 87.7623, 102.0013



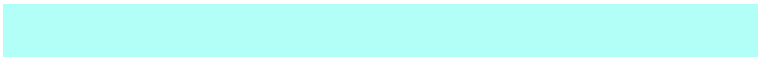
65.9182, 56.6050, 53.3514

# 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.



94.0075, 87.7623, 73.4279



71.0634, 87.7623, 102.0013



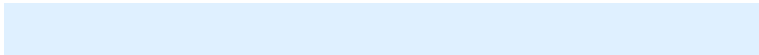
96.4113, 87.7623, 109.3551

# Square

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



71.0634, 87.7623, 102.0013



85.6358, 87.7623, 137.8976



97.1218, 87.7623, 89.3924

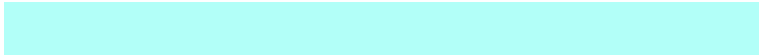


81.2337, 87.7623, 62.9153



# Rectangle

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



71.0634, 87.7623, 102.0013



76.9108, 87.7623, 132.0192



97.1218, 87.7623, 89.3924



90.2768, 87.7623, 66.5165

# Sweetspot

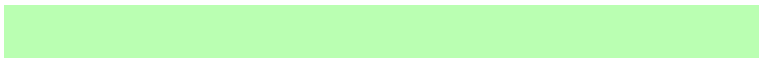
The Sweet Spot groups the original color and five complimentary colors.



71.0644, 87.7628, 102.0028



86.7709, 95.7705, 106.7690



63.9738, 85.1364, 55.1825



18.3059, 20.3627, 22.7805



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

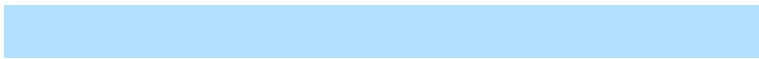
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.0644, 87.7628, 102.0028



67.6407, 86.0219, 100.7567



63.1207, 70.1050, 104.8125



18.4795, 20.4513, 22.8278



26.3124, 40.4216, 46.3919



2.5819, 3.9437, 4.6222



# Inverse Universe

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



65.9182, 56.6050, 53.3514



61.7754, 50.4865, 45.2893



72.0281, 69.9783, 51.8321



18.0764, 18.0139, 19.0195



21.6530, 11.1505, 1.5572

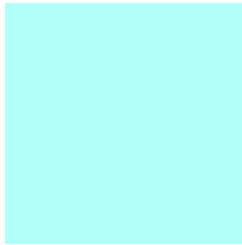


2.1299, 1.0943, 0.2654



# Previews

## White Background



This preview shows how the XYZ color 71.0634, 87.7623, 102.0013 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

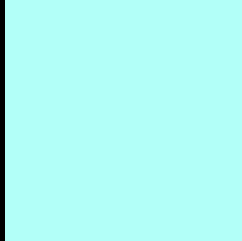
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.0634, 87.7623, 102.0013 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 71.0634, 87.7623, 102.0013**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.0634, 87.7623, 102.0013.



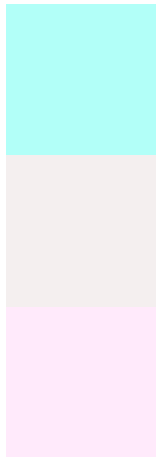
This preview shows how white text looks on a background with the XYZ color 71.0634, 87.7623,



# 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

71.0634, 87.7623, 102.0013

### Protanopia

83.7547, 87.1981, 94.0779

### Deuteranopia

88.0754, 87.0707, 103.4310



## **Tritanopia**

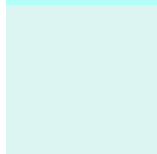
79.0213, 87.1237, 107.2594

# Trichromacy



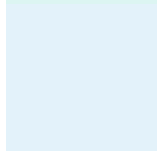
## Original Color

71.0634, 87.7623, 102.0013



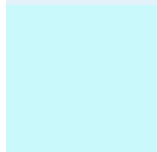
## Protanomaly

78.1946, 86.9313, 96.6625



## Deuteranomaly

80.6860, 86.7373, 102.9318



## Tritanomaly

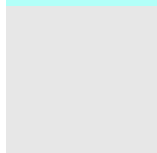
75.8035, 87.3362, 104.9578

# Monochromacy



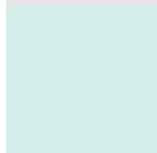
## Original Color

71.0634, 87.7623, 102.0013



## Achromatopsia

75.9547, 79.9103, 87.0223



## Achromatomaly

73.5975, 82.4316, 92.1527

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.0634, 87.7623, 102.0013 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, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 248)  
}
```

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, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 71.0634, 87.7623, 102.0013 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, 255, 248) }
```



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

```
.border{ border-color:rgb(178, 255, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.0634, 87.7623, 102.0013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 248) }
```

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

```
.background{ background-color: rgb(178,  
255, 248) }
```

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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