

# Converting Colors

XYZ(77.7463, 100.0000,  
102.7624)

Have a look what the booklet for  
XYZ(77.7463, 100.0000, 102.7624)  
contains.

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# Color

**XYZ(71.6860, 88.1189,  
100.4192)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6FFF6
RGB	182, 255, 246
RGB Percent	71%, 100%, 96%
CMY	0.2863, 0.0000, 0.0353
CMYK	0.29, 0.00, 0.04, 0.00
HSL	173°, 100%, 86%
HSV	173°, 29%, 100%
XYZ	71.6860, 88.1189, 100.4192
YIQ	232.1470, -40.6190, -18.2750

# Conversions

## Conversions Part 2

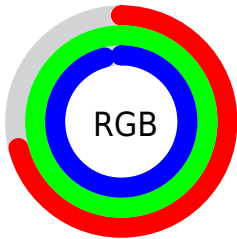
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 221, 255
Decimal	11993078
CIELab	95.21, -24.23, -2.93
CIELCh	95, 24.405, 186.906
Yxy	88.1189, 0.2755, 0.3386
Android (android.graphics.Color)	4290183158 (0xFFB6FFF6)
YUV	232.1470, 6.8295, -43.9789
Hunter-Lab	93.8717, -27.9622, 2.2847

# Details

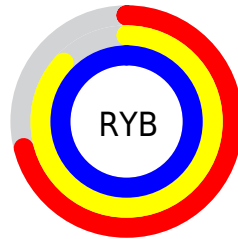
The XYZ color **71.6860, 88.1189, 100.4192** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **67.3728, 58.4789, 57.0277**, and the grayscale version is **76.7840, 80.7828, 87.9724**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **38.2407, 48.6179, 56.0839** is the 20% darker color. If you saturate the color by 10%, you get **65.7242, 85.1008, 97.6441**, and if you desaturate by 10%, it is **78.7545, 91.7066, 103.2916**.

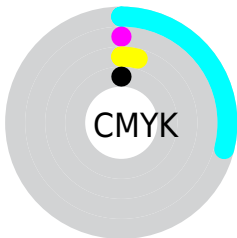
# Distribution



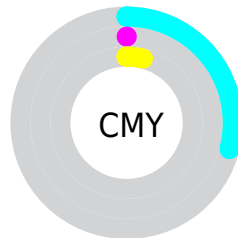
- Red (71%)
- Green (100%)
- Blue (96%)



- Red (71%)
- Yellow (87%)
- Blue (100%)



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6860, 88.1189, 100.4192 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 71.6860, 88.1189, 100.4192 by changing the saturation by 10% instead.





 71.6860, 88.1189,  
100.4192

 71.6860, 88.1189,  
100.4192


455.6226,  
521.8925, 582.7940

 53.1868, 66.4215,  
76.0318


 120.6232,  
144.7227, 163.7900

 38.1800, 48.6147,  
55.9518


151.7919,  
180.3979, 203.6106

 26.3002, 34.3139,  
39.7605


187.9145,  
221.5012, 249.4126

 17.1822, 23.1349,  
27.0395

229.3562,  
268.4169, 301.6147

 10.4606, 14.6931,  
17.3702

276.4826,  
321.5295, 360.6353

 5.7700, 8.6043,  
10.3341

329.6588,

 2.7451, 4.4840,

381.2234, 426.8931

5.5125

389.2504,  
447.8830, 500.8064

■ 1.0204, 1.9478,  
2.4870

■ 0.0000, 0.5769,  
0.8333

■ 71.6860, 88.1189,  
100.4192

■ 71.6860, 88.1189,  
100.4192

■ 65.7242, 85.1008,  
97.6441

■ 78.7545, 91.7066,  
103.2916


■ 60.8065, 82.6199,  
94.9588


■ 86.9818, 95.8908,  
106.2597


■ 56.8686, 80.6433,  
92.3616


95.0500, 100.0000,  
108.9000

■ 53.8378, 79.1333,  
89.8488

 51.6315, 78.0475,  
87.4164

 50.1515, 77.3351,  
85.0596

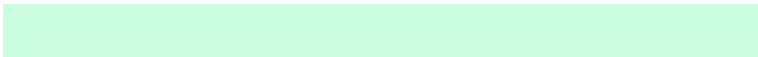
 49.2582, 76.9243,  
82.7716

 49.1558, 76.8783,  
82.4615

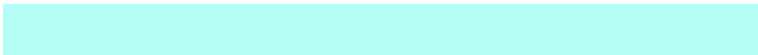
# Harmonies

## Analogous

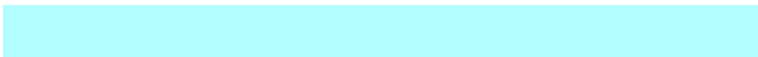
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.5298, 88.1189, 82.2817



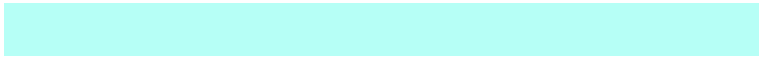
71.6860, 88.1189, 100.4192



73.9362, 88.1189, 119.6707

# Triad

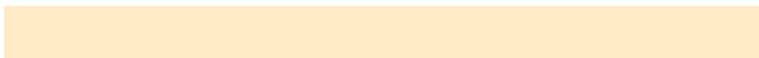
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.6860, 88.1189, 100.4192



91.6733, 88.1189, 128.3242



88.8729, 88.1189, 66.0381

# Complementary

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



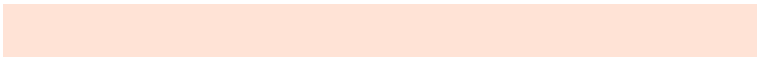
71.6860, 88.1189, 100.4192



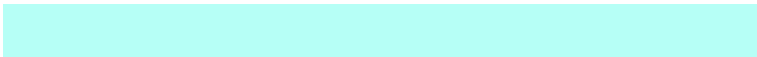
67.3728, 58.4789, 57.0277

# 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.



94.4054, 88.1189, 75.5853



71.6860, 88.1189, 100.4192



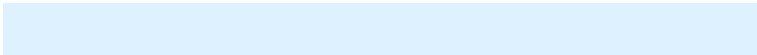
96.0811, 88.1189, 111.0462

# Square

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



71.6860, 88.1189, 100.4192



85.3019, 88.1189, 137.1058



97.1065, 88.1189, 91.6086

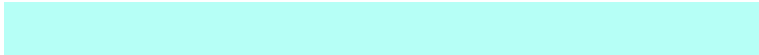


82.2257, 88.1189, 63.9783



# Rectangle

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



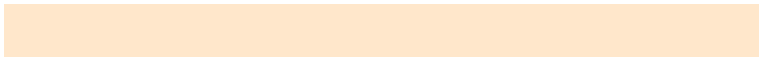
71.6860, 88.1189, 100.4192



76.9620, 88.1189, 130.0282



97.1065, 88.1189, 91.6086



90.9351, 88.1189, 68.4103

# Sweetspot

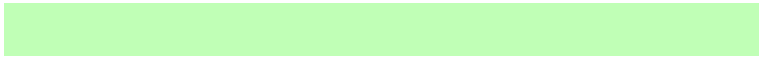
The Sweet Spot groups the original color and five complimentary colors.



71.6870, 88.1194, 100.4207



86.6528, 95.7233, 106.1470



65.8753, 86.0696, 57.3989



18.2766, 20.3510, 22.6262



0.0000, 0.0000, 0.0000

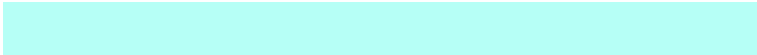


20.3446, 21.4041, 23.3091

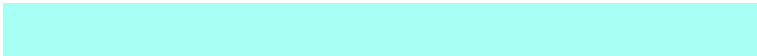


# Same Dimension

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



71.6870, 88.1194, 100.4207



68.3491, 86.4285, 98.9171



65.1502, 72.7814, 105.2222



18.4528, 20.4406, 22.6873



25.7230, 40.1858, 43.2881



2.5305, 3.9231, 4.3514



# Inverse Universe

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



67.3728, 58.4789, 57.0277



63.4335, 52.6303, 49.4565



72.4276, 70.1251, 53.9759



18.1005, 18.0235, 19.1462



21.7093, 11.1730, 1.8536

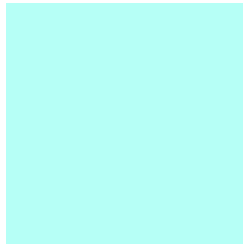


2.1412, 1.0988, 0.3249



# Previews

## White Background



This preview shows how the XYZ color 71.6860, 88.1189, 100.4192 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

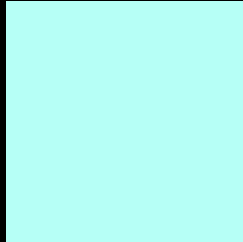
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.6860, 88.1189, 100.4192 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

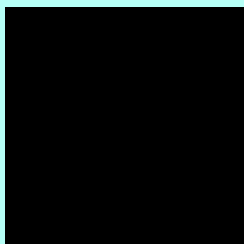
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

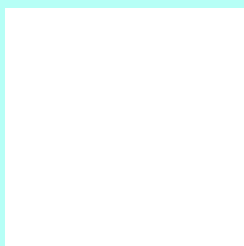
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 71.6860, 88.1189, 100.4192

## Background



This preview shows how black text looks on a background with the XYZ color 71.6860, 88.1189, 100.4192.



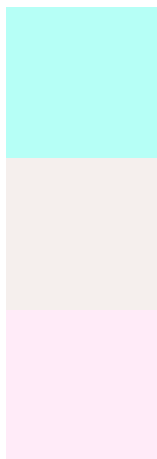
This preview shows how white text looks on a background with the XYZ color 71.6860, 88.1189,



# 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

71.6860, 88.1189, 100.4192

### Protanopia

83.8088, 87.2599, 92.5464

### Deuteranopia

87.8916, 87.4540, 101.0549



## Tritanopia

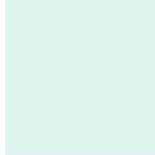
79.6158, 87.4302, 107.2873

# Trichromacy



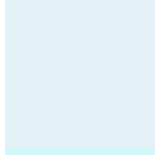
## Original Color

71.6860, 88.1189, 100.4192



## Protanomaly

78.5048, 87.1257, 95.1174



## Deuteranomaly

80.5355, 86.7136, 100.4884



## Tritanomaly

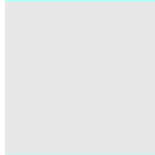
76.6232, 87.7588, 104.9961

# Monochromacy



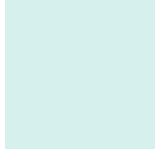
## Original Color

71.6860, 88.1189, 100.4192



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

74.1777, 82.7307, 92.1798

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.6860, 88.1189, 100.4192 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(182, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(182, 255, 246)  
}
```

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(182, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 255, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 71.6860, 88.1189, 100.4192 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(182, 255, 246) }
```



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

```
.border{ border-color:rgb(182, 255, 246) }
```

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

Here you see how a box with a 4 pixel rgb(182, 255, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(182, 255,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.6860, 88.1189, 100.4192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 255, 246) }
```

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

```
.background{ background-color: rgb(182,  
255, 246) }
```

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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