

# Converting Colors

XYZ(71.5168, 87.9569,  
103.7892)

Have a look what the booklet for  
XYZ(71.5168, 87.9569, 103.7892)  
contains.

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# Color

**XYZ(71.6057, 88.0058,  
103.6553)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3FFFA
RGB	179, 255, 250
RGB Percent	70%, 100%, 98%
CMY	0.2980, 0.0000, 0.0196
CMYK	0.30, 0.00, 0.02, 0.00
HSL	176°, 100%, 85%
HSV	176°, 30%, 100%
XYZ	71.6057, 88.0058, 103.6553
YIQ	231.7060, -43.6910, -17.6670

# Conversions

## Conversions Part 2

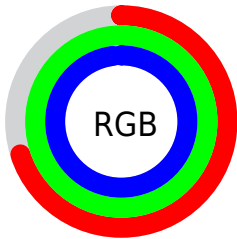
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 218, 255
Decimal	11796474
CIELab	95.16, -24.19, -5.09
CIELCh	95, 24.721, 191.871
Yxy	88.0058, 0.2720, 0.3343
Android (android.graphics.Color)	4289986554 (0xFFB3FFFA)
YUV	231.7060, 9.0189, -46.2232
Hunter-Lab	93.8114, -27.9220, 0.1565

# Details

The XYZ color **71.6057, 88.0058, 103.6553** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **66.0126, 56.9622, 52.8637**, and the grayscale version is **76.4401, 80.4209, 87.5784**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **38.1001, 48.4942, 58.3912** is the 20% darker color. If you saturate the color by 10%, you get **65.9858, 85.1389, 102.0269**, and if you desaturate by 10%, it is **78.3198, 91.4365, 105.3500**.

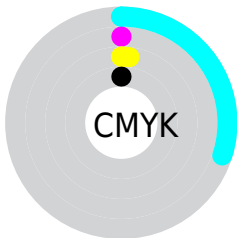
# Distribution



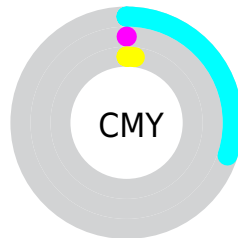
- Red (70%)
- Green (100%)
- Blue (98%)



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



- Cyan (30%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (30%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6057, 88.0058, 103.6553 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 71.6057, 88.0058, 103.6553 by changing the saturation by 10% instead.





 71.6057, 88.0058,  
103.6553

 71.6057, 88.0058,  
103.6553


455.3470,  
521.5222, 593.1959

 53.1210, 66.3279,  
78.7229


 120.5096,  
144.5652, 168.2669

 38.1272, 48.5386,  
58.1480


151.6595,  
180.2155, 208.7832

 26.2591, 34.2536,  
41.5122


187.7618,  
221.2921, 255.3312

 17.1513, 23.0885,  
28.3968

229.1818,  
268.1792, 308.3295

 10.4384, 14.6589,  
18.3833

276.2850,  
321.2615, 368.1966

 5.7551, 8.5803,  
11.0533

329.4367,

 2.7360, 4.4685,

380.9231, 435.3509

5.9881

389.0023,  
447.5485, 510.2112

■ 1.0157, 1.9389,  
2.7691

■ 0.0000, 0.5716,  
0.9780

■ 71.6057, 88.0058,  
103.6553

■ 71.6057, 88.0058,  
103.6553

■ 65.9858, 85.1389,  
102.0269

■ 78.3198, 91.4365,  
105.3500

■ 61.3967, 82.8031,  
100.4575

■ 86.1806, 95.4581,  
107.1092

■ 57.7736, 80.9650,  
98.9454

95.0500, 100.0000,  
108.9000

■ 55.0428, 79.5867,  
97.4872

■ 53.1202, 78.6247,  
96.0790

■ 51.9052, 78.0273,  
94.7158

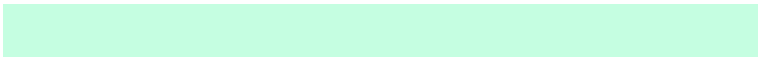
■ 51.2375, 77.7117,  
93.3904

■ 51.2263, 77.7065,  
93.3644

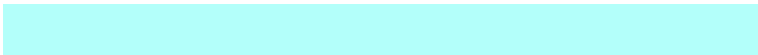
# Harmonies

## Analogous

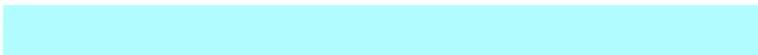
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.9360, 88.0058, 84.7429



71.6057, 88.0058, 103.6553



74.3716, 88.0058, 122.7642

# Triad

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



71.6057, 88.0058, 103.6553



92.5895, 88.0058, 126.1712



87.7404, 88.0058, 64.7278

# Complementary

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



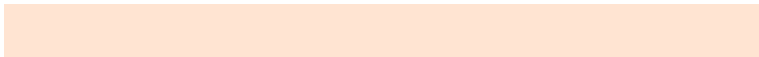
71.6057, 88.0058, 103.6553



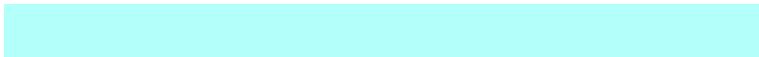
66.0126, 56.9622, 52.8637

# 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.



93.6630, 88.0058, 73.1439



71.6057, 88.0058, 103.6553



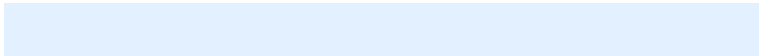
96.5644, 88.0058, 107.8299

# Square

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



71.6057, 88.0058, 103.6553



86.3386, 88.0058, 136.8827



96.9675, 88.0058, 88.3962



81.0116, 88.0058, 63.9246



# Rectangle

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



71.6057, 88.0058, 103.6553



77.6902, 88.0058, 132.3840



96.9675, 88.0058, 88.3962



89.9005, 88.0058, 66.7020

# Sweetspot

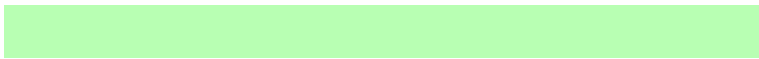
The Sweet Spot groups the original color and five complimentary colors.



71.6068, 88.0063, 103.6568



86.8628, 95.8073, 107.2533



63.6809, 84.9738, 55.6948



18.3287, 20.3718, 22.9008



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

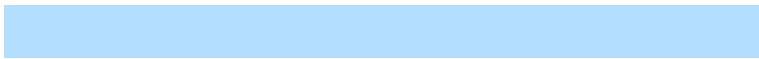
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.6068, 88.0063, 103.6568



67.9983, 86.1649, 102.6394



62.7805, 69.0828, 104.6332



18.5002, 20.4596, 22.9372



26.7889, 40.6121, 48.9010



2.6233, 3.9602, 4.8400



# Inverse Universe

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



66.0126, 56.9622, 52.8637



61.5565, 50.3990, 44.1367



72.9043, 71.5694, 52.6213



18.0578, 18.0064, 18.9216



21.6187, 11.1368, 1.3768

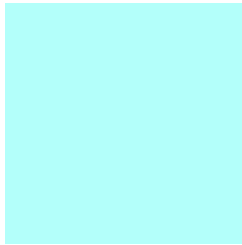


2.1211, 1.0908, 0.2192



# Previews

## White Background



This preview shows how the XYZ color 71.6057, 88.0058, 103.6553 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

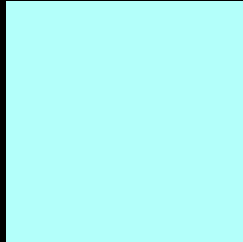
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.6057, 88.0058, 103.6553 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 71.6057, 88.0058, 103.6553

## Background



This preview shows how black text looks on a background with the XYZ color 71.6057, 88.0058, 103.6553.



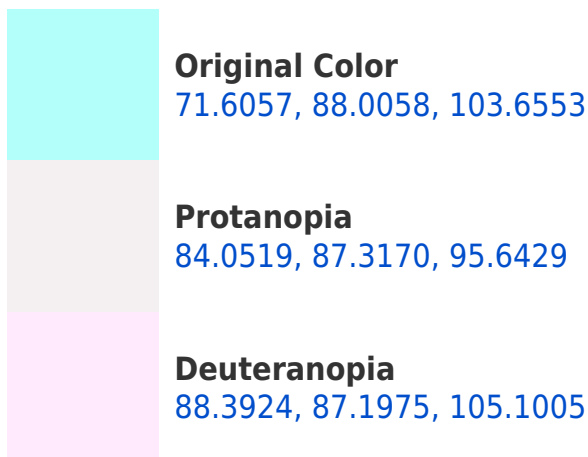
This preview shows how white text looks on a background with the XYZ color 71.6057, 88.0058,



# 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

79.3177, 87.2765, 107.2733

# Trichromacy



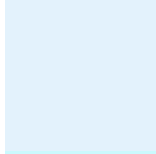
## Original Color

71.6057, 88.0058, 103.6553



## Protanomaly

78.4967, 87.0521, 98.2535



## Deuteranomaly

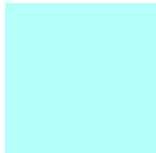
81.0014, 86.8634, 104.5926



## Tritanomaly

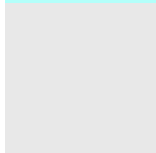
76.2339, 87.5397, 105.8074

# Monochromacy



## Original Color

71.6057, 88.0058, 103.6553



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

74.1806, 82.6983, 93.7140

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.6057, 88.0058, 103.6553 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, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 250)  
}
```

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, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 71.6057, 88.0058, 103.6553 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, 255, 250) }
```



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

```
.border{ border-color:rgb(179, 255, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.6057, 88.0058, 103.6553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 250) }
```

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

```
.background{ background-color: rgb(179,  
255, 250) }
```

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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