

Converting Colors

XYZ(70.6614, 87.5477,
102.3172)

Have a look what the booklet for
XYZ(70.6614, 87.5477, 102.3172)
contains.

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Color

**XYZ(70.6078, 87.5274,
101.9800)**

Conversions

Conversions Part 1

Format	Color
Hex	B0FFF8
RGB	176, 255, 248
RGB Percent	69%, 100%, 97%
CMY	0.3098, 0.0000, 0.0274
CMYK	0.31, 0.00, 0.03, 0.00
HSL	175°, 100%, 85%
HSV	175°, 31%, 100%
XYZ	70.6078, 87.5274, 101.9800
YIQ	230.5810, -44.8370, -18.9250

Conversions

Conversions Part 2

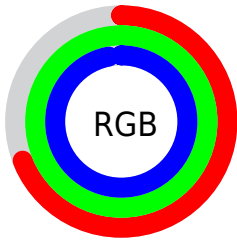
Format	Color
R_{YB}	176, 217, 255
Decimal	11599864
CIE _{Lab}	94.96, -25.45, -4.37
CIE _{LCh}	95, 25.818, 189.740
Yxy	87.5274, 0.2714, 0.3365
Android (android.graphics.Color)	4289789944 (0xFFB0FFF8)
YUV	230.5810, 8.5876, -47.8675
Hunter-Lab	93.5561, -29.0072, 0.8607

Details

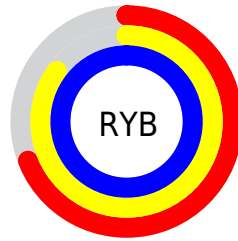
The XYZ color **70.6078, 87.5274, 101.9800** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **65.3134, 55.7310, 52.1154**, and the grayscale version is **75.6064, 79.5439, 86.6233**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **37.4542, 48.1870, 57.1961** is the 20% darker color. If you saturate the color by 10%, you get **65.0256, 84.6899, 99.9015**, and if you desaturate by 10%, it is **77.2792, 90.9259, 104.1345**.

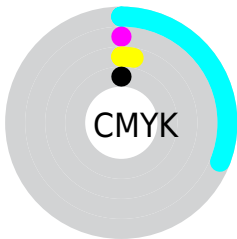
Distribution



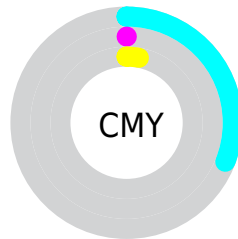
- Red (69%)
- Green (100%)
- Blue (97%)



- Red (69%)
- Yellow (85%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.6078, 87.5274, 101.9800 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 70.6078, 87.5274, 101.9800 by changing the saturation by 10% instead.


 70.6078, 87.5274,
101.9800

 70.6078, 87.5274,
101.9800


451.9144,
519.9543, 587.8231

 52.3036, 65.9317,
77.3291


 119.0967,
143.8990, 165.9511

 37.4724, 48.2170,
57.0098


150.0120,
179.4438, 206.1083

 25.7488, 33.9988,
40.6037

185.8618,
220.4070, 252.2713

 16.7675, 22.8926,
27.6922

227.0113,
267.1731, 304.8587

 10.1631, 14.5143,
17.8567

273.8260,
320.1265, 364.2891

 5.5703, 8.4792,
10.6788

326.6712,

 2.6238, 4.4031,

379.6516, 430.9809

5.7399

385.9122,
446.1327, 505.3527

■ 0.9581, 1.9015,
2.6213

■ 0.0000, 0.5493,
0.9034

■ 70.6078, 87.5274,
101.9800

■ 70.6078, 87.5274,
101.9800

■ 65.0256, 84.6899,
99.9015

■ 77.2792, 90.9259,
104.1345

■ 60.4688, 82.3806,
97.8916

■ 85.0929, 94.9127,
106.3631

■ 56.8716, 80.5654,
95.9485

■ 94.1019, 99.5153,
108.6699

■ 54.1592, 79.2060,
94.0686

■ 95.0500, 100.0000,
108.9000

■ 52.2460, 78.2580,
92.2480

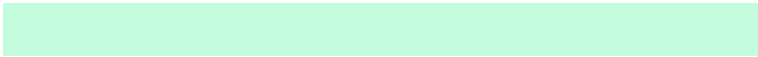
■ 51.0291, 77.6685,
90.4816

■ 50.3838, 77.3695,
88.9279

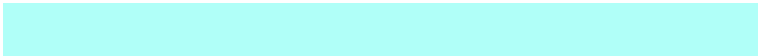
Harmonies

Analogous

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



71.1825, 87.5274, 82.5560



70.6078, 87.5274, 101.9800



73.2565, 87.5274, 122.1587

Triad

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



70.6078, 87.5274, 101.9800



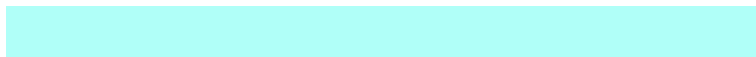
92.1058, 87.5274, 128.1574



87.9452, 87.5274, 63.4948

Complementary

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



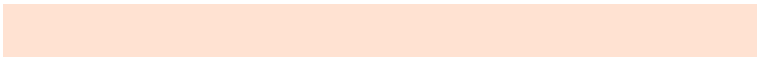
70.6078, 87.5274, 101.9800



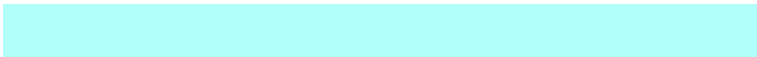
65.3134, 55.7310, 52.1154

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.



93.9879, 87.5274, 72.7025



70.6078, 87.5274, 101.9800



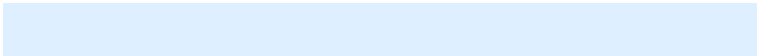
96.4819, 87.5274, 109.2977

Square

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



70.6078, 87.5274, 101.9800



85.4922, 87.5274, 138.6128



97.1894, 87.5274, 88.9230



80.9337, 87.5274, 62.1082

Rectangle

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



70.6078, 87.5274, 101.9800



76.5860, 87.5274, 132.6650



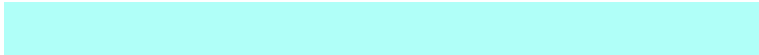
97.1894, 87.5274, 88.9230



90.1677, 87.5274, 65.7094

Sweetspot

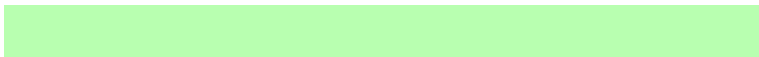
The Sweet Spot groups the original color and five complimentary colors.



70.6088, 87.5279, 101.9815



86.7793, 95.7739, 106.8133



63.3408, 84.8331, 54.1121



18.3080, 20.3635, 22.7915



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

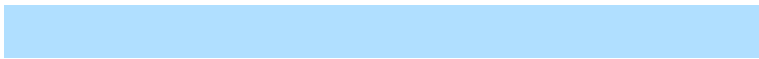
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.6088, 87.5279, 101.9815



67.1207, 85.7540, 100.7206



62.4503, 69.4406, 104.7196



18.4814, 20.4521, 22.8378



26.3554, 40.4387, 46.6181



2.5857, 3.9452, 4.6419

Inverse Universe

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



65.3134, 55.7310, 52.1154



61.0860, 49.4925, 43.8736



71.5358, 69.3127, 50.6845



18.0747, 18.0132, 19.0105



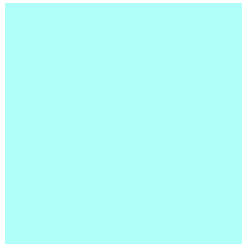
21.6495, 11.1491, 1.5389



2.1291, 1.0940, 0.2611

Previews

White Background



This preview shows how the XYZ color 70.6078, 87.5274, 101.9800 looks on a white background.

Color Contrast Check

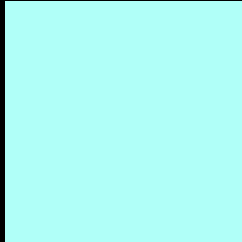
Large Text (above 18pt) WCAG AA × Fail

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 70.6078, 87.5274, 101.9800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

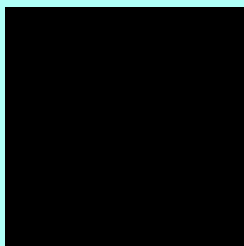
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

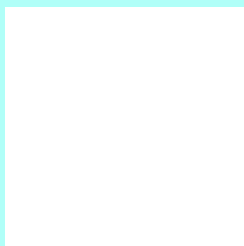
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.6078, 87.5274, 101.9800

Background



This preview shows how black text looks on a background with the XYZ color 70.6078, 87.5274, 101.9800.

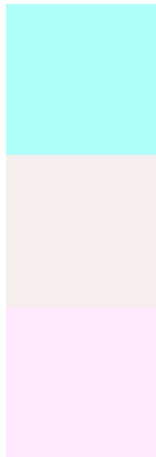


This preview shows how white text looks on a background with the XYZ color 70.6078, 87.5274,

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

70.6078, 87.5274, 101.9800

Protanopia

83.3154, 86.5552, 93.2046

Deuteranopia

87.7915, 86.5029, 103.3364



Tritanopia

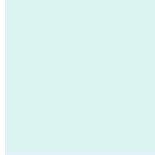
78.7267, 86.9719, 107.2457

Trichromacy



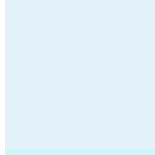
Original Color

70.6078, 87.5274, 101.9800



Protanomaly

77.5911, 86.1722, 96.5478



Deuteranomaly

80.0746, 85.9815, 102.8182



Tritanomaly

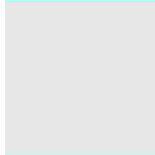
75.5338, 87.1971, 104.9451

Monochromacy



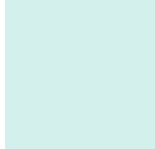
Original Color

70.6078, 87.5274, 101.9800



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.3101, 82.2835, 92.1392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6078, 87.5274, 101.9800 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(176, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(176, 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(176, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 248) }
```

Border

The CSS property to change the border of an element to XYZ 70.6078, 87.5274, 101.9800 is called "border". The border property can be set on classes, ids or directly on the HTML element.

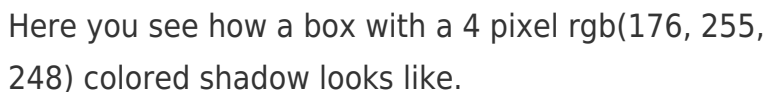
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 255, 248) }
```


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

```
.border{ border-color:rgb(176, 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(176, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 255, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 255, 248); box-shadow:4px 4px 4px 4px rgb(176, 255, 248) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6078, 87.5274, 101.9800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 248) }
```

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

```
.background{ background-color: rgb(176,  
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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