

Converting Colors

XYZ(70.8033, 87.6717,
100.0232)

Have a look what the booklet for
XYZ(70.8033, 87.6717, 100.0232)
contains.

XYZ(70.9850, 87.7575, 100.3864)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.9850, 87.7575,
100.3864)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FFF6
RGB	179, 255, 246
RGB Percent	70%, 100%, 96%
CMY	0.2980, 0.0000, 0.0353
CMYK	0.30, 0.00, 0.04, 0.00
HSL	173°, 100%, 85%
HSV	173°, 30%, 100%
XYZ	70.9850, 87.7575, 100.3864
YIQ	231.2500, -42.4070, -18.9110

Conversions

Conversions Part 2

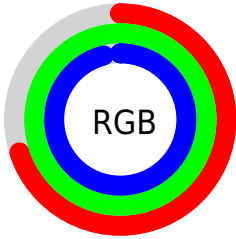
Format	Color
R_{YB}	179, 219, 255
Decimal	11796470
CIE _{Lab}	95.06, -25.06, -3.18
CIE _{LCh}	95, 25.260, 187.222
Yxy	87.7575, 0.2739, 0.3387
Android (android.graphics.Color)	4289986550 (0xFFB3FFF6)
YUV	231.2500, 7.2717, -45.8233
Hunter-Lab	93.6790, -28.6803, 2.0401

Details

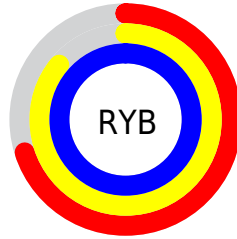
The XYZ color **70.9850, 87.7575, 100.3864** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **66.4381, 57.1325, 55.1039**, and the grayscale version is **76.1120, 80.0757, 87.2024**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **37.8005, 48.3910, 56.0633** is the 20% darker color. If you saturate the color by 10%, you get **65.1671, 84.8114, 97.7158**, and if you desaturate by 10%, it is **77.9022, 91.2695, 103.1507**.

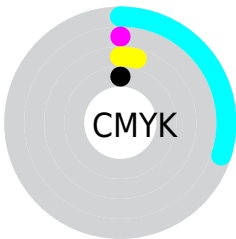
Distribution



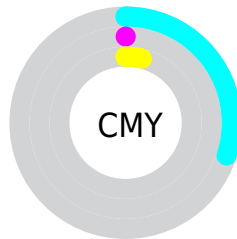
- Red (70%)
- Green (100%)
- Blue (96%)



- Red (70%)
- Yellow (86%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (30%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9850, 87.7575, 100.3864 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 70.9850, 87.7575, 100.3864 by changing the saturation by 10% instead.

70.9850, 87.7575,
100.3864

70.9850, 87.7575,
100.3864

453.2136,
520.7088, 582.6881

52.6124, 66.1223,
76.0046

119.6310,
144.2195, 163.7446

37.7197, 48.3717,
55.9296

150.6352,
179.8150, 203.5581

25.9414, 34.1213,
39.7429

186.5806,
220.8328, 249.3525

16.9123, 22.9868,
27.0259

227.8325,
267.6572, 301.5464

10.2669, 14.5838,
17.3600

274.7565,
320.6726, 360.5584

5.6399, 8.5278,
10.3269

327.7178,

2.6659, 4.4345,

380.2634, 426.8070

5.5078

387.0817,
446.8140, 500.7107

■ 0.9797, 1.9195,
2.4843

■ 0.0000, 0.5600,
0.8318

■ 70.9850, 87.7575,
100.3864

■ 70.9850, 87.7575,
100.3864

■ 65.1671, 84.8114,
97.7158

■ 77.9022, 91.2695,
103.1507

■ 60.3853, 82.3986,
95.1314

■ 85.9713, 95.3744,
106.0069

■ 56.5746, 80.4854,
92.6314

95.0500, 100.0000,
108.9000

■ 53.6613, 79.0341,
90.2122

■ 51.5612, 78.0011,
87.8696

■ 50.1739, 77.3348,
85.5988

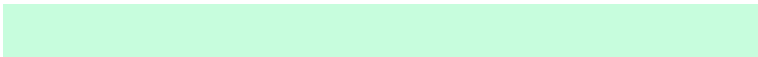
■ 49.3388, 76.9522,
83.3920

■ 49.3243, 76.9457,
83.3489

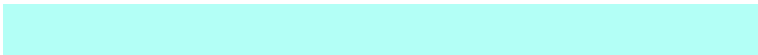
Harmonies

Analogous

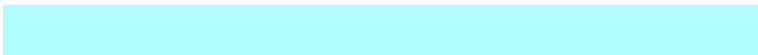
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.8190, 87.7575, 81.6470



70.9850, 87.7575, 100.3864



73.3319, 87.7575, 120.3024

Triad

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



70.9850, 87.7575, 100.3864



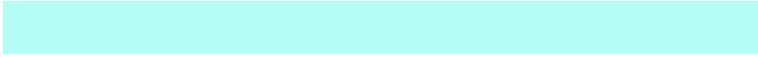
91.6560, 87.7575, 128.9403



88.6283, 87.7575, 64.7548

Complementary

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



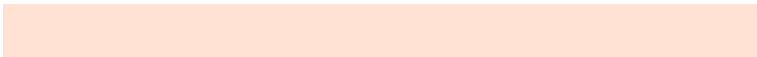
70.9850, 87.7575, 100.3864



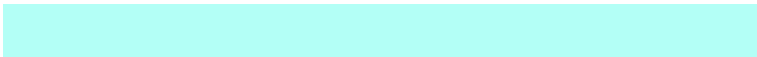
66.4381, 57.1325, 55.1039

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.



94.3735, 87.7575, 74.4545



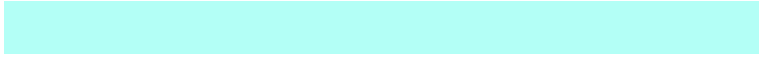
70.9850, 87.7575, 100.3864



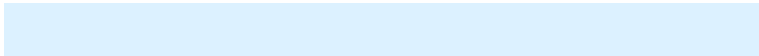
96.1875, 87.7575, 110.9546

Square

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



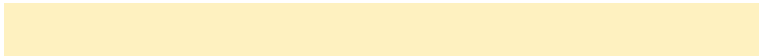
70.9850, 87.7575, 100.3864



85.0819, 87.7575, 138.1936



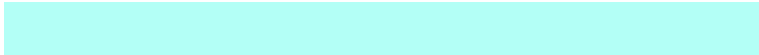
97.2083, 87.7575, 90.8773



81.7619, 87.7575, 62.7323

Rectangle

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



70.9850, 87.7575, 100.3864



76.4645, 87.7575, 131.0052



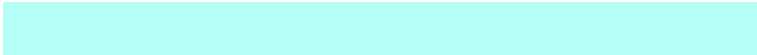
97.2083, 87.7575, 90.8773



90.7657, 87.7575, 67.1540

Sweetspot

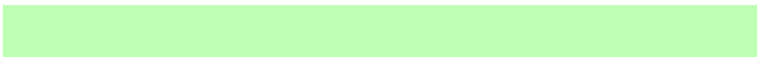
The Sweet Spot groups the original color and five complimentary colors.



70.9860, 87.7580, 100.3879



86.6705, 95.7304, 106.2403



64.9171, 85.6111, 55.7527



18.2810, 20.3527, 22.6493



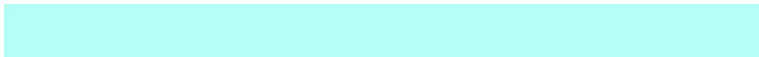
0.0000, 0.0000, 0.0000



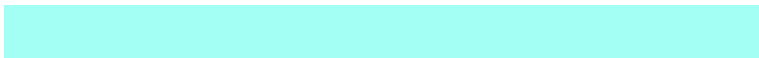
20.3446, 21.4041, 23.3091

Same Dimension

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



70.9860, 87.7580, 100.3879



67.2542, 85.8673, 98.7214



64.1471, 71.8159, 105.0887



18.4568, 20.4422, 22.7084



25.8098, 40.2205, 43.7453



2.5381, 3.9262, 4.3914

Inverse Universe

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



66.4381, 57.1325, 55.1039



62.0195, 50.5842, 46.5748



71.6581, 69.0769, 52.2060



18.0968, 18.0220, 19.1271



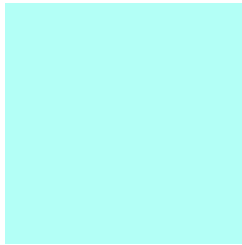
21.6999, 11.1693, 1.8042



2.1395, 1.0982, 0.3160

Previews

White Background



This preview shows how the XYZ color 70.9850, 87.7575, 100.3864 looks on a white background.

Color Contrast Check

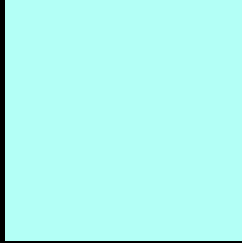
Large Text (above 18pt) WCAG AA × Fail

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 70.9850, 87.7575, 100.3864 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

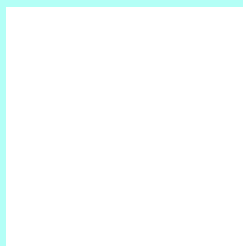
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9850, 87.7575, 100.3864

Background



This preview shows how black text looks on a background with the XYZ color 70.9850, 87.7575, 100.3864.



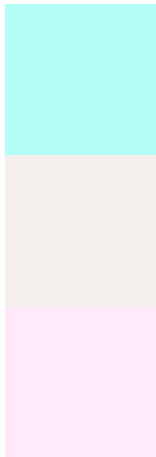
This preview shows how white text looks on a background with the XYZ color 70.9850, 87.7575,

100.3864.

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

70.9850, 87.7575, 100.3864

Protanopia

83.8088, 87.2599, 92.5464

Deuteranopia

87.7617, 86.9452, 101.7791



Tritanopia

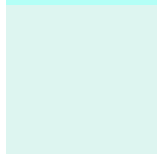
79.3177, 87.2765, 107.2733

Trichromacy



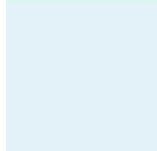
Original Color

70.9850, 87.7575, 100.3864



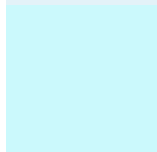
Protanomaly

78.1994, 86.9682, 95.1031



Deuteranomaly

80.3740, 86.6125, 101.2887



Tritanomaly

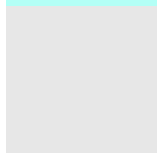
76.0750, 87.4761, 104.9705

Monochromacy



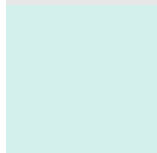
Original Color

70.9850, 87.7575, 100.3864



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.4518, 82.3734, 91.3852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9850, 87.7575, 100.3864 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 246) }
```

Border

The CSS property to change the border of an element to XYZ 70.9850, 87.7575, 100.3864 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, 246) }
```


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

```
.border{ border-color:rgb(179, 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(179, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9850, 87.7575, 100.3864 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, 246) }
```

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

```
.background{ background-color: rgb(179,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor