

Converting Colors

XYZ(70.8879, 87.7739, 97.3840)

Have a look what the booklet for
XYZ(70.8879, 87.7739, 97.3840)
contains.

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Color

**XYZ(70.8431, 87.7546,
97.2089)**

Conversions

Conversions Part 1

Format	Color
Hex	B5FFF2
RGB	181, 255, 242
RGB Percent	71%, 100%, 95%
CMY	0.2902, 0.0000, 0.0510
CMYK	0.29, 0.00, 0.05, 0.00
HSL	169°, 100%, 85%
HSV	169°, 29%, 100%
XYZ	70.8431, 87.7546, 97.2089
YIQ	231.3920, -39.9310, -19.7310

Conversions

Conversions Part 2

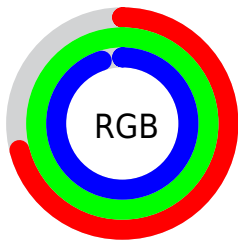
Format	Color
R_{YB}	181, 222, 255
Decimal	11927538
CIE _{Lab}	95.06, -25.36, -1.10
CIE _{LCh}	95, 25.381, 182.488
Yxy	87.7546, 0.2769, 0.3431
Android (android.graphics.Color)	4290117618 (0xFFB5FFF2)
YUV	231.3920, 5.2297, -44.1938
Hunter-Lab	93.6774, -28.9457, 4.0491

Details

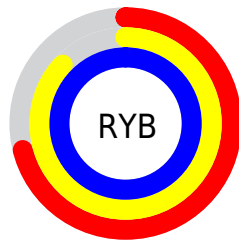
The XYZ color **70.8431, 87.7546, 97.2089** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **67.5022, 58.2041, 58.7164**, and the grayscale version is **76.2311, 80.2011, 87.3389**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **37.6612, 48.3690, 53.8056** is the 20% darker color. If you saturate the color by 10%, you get **64.7369, 84.6835, 93.4552**, and if you desaturate by 10%, it is **78.0620, 91.3973, 101.1036**.

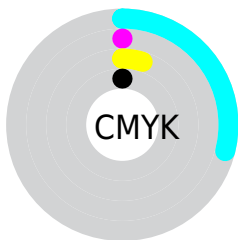
Distribution



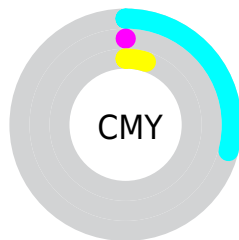
- Red (71%)
- Green (100%)
- Blue (95%)



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



- Cyan (29%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.8431, 87.7546, 97.2089 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 70.8431, 87.7546, 97.2089 by changing the saturation by 10% instead.


 70.8431, 87.7546,
97.2089

 70.8431, 87.7546,
97.2089


452.7251,
520.6993, 572.3766

 52.4962, 66.1199,
73.3678

 119.4300,
144.2155, 159.3345

 37.6266, 48.3697,
53.7831


150.4008,
179.8104, 198.4561

 25.8689, 34.1198,
38.0363


186.3102,
220.8274, 243.5083

 16.8578, 22.9856,
25.7088

227.5237,
267.6511, 294.9095

 10.2278, 14.5829,
16.3821

274.4066,
320.6657, 353.0785

 5.6137, 8.5272,
9.6377

327.3242,

 2.6500, 4.4341,

380.2557, 418.4336

5.0569

386.6420,
446.8054, 491.3935

■ 0.9715, 1.9192,
2.2214

■ 0.0000, 0.5599,
0.6867

■ 70.8431, 87.7546,
97.2089

■ 70.8431, 87.7546,
97.2089

■ 64.7369, 84.6835,
93.4552

■ 78.0620, 91.3973,
101.1036

■ 59.6805, 82.1517,
89.8346

■ 86.4460, 95.6388,
105.1380

■ 55.6095, 80.1261,
86.3449

95.0500, 100.0000,
108.9000

■ 52.4507, 78.5688,
82.9821

■ 50.1208, 77.4370,
79.7417

■ 48.5209, 76.6797,
76.6183

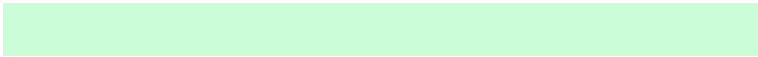
■ 47.5050, 76.2216,
73.6046

■ 47.4187, 76.1835,
73.3138

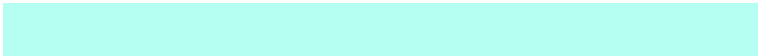
Harmonies

Analogous

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



72.1859, 87.7546, 79.0509



70.8431, 87.7546, 97.2089



72.7102, 87.7546, 117.4462

Triad

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



70.8431, 87.7546, 97.2089



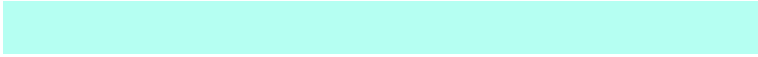
90.7392, 87.7546, 131.3169



89.6880, 87.7546, 65.6568

Complementary

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



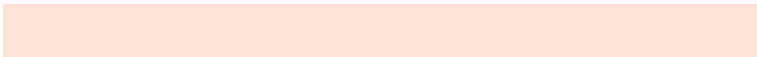
70.8431, 87.7546, 97.2089



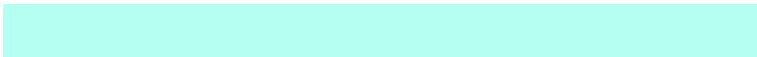
67.5022, 58.2041, 58.7164

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.



95.1070, 87.7546, 76.5596



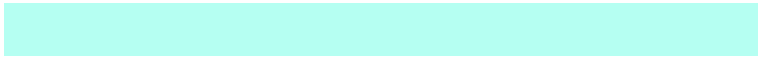
70.8431, 87.7546, 97.2089



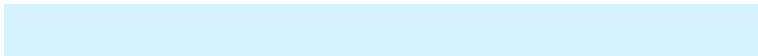
95.7371, 87.7546, 114.1982

Square

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



70.8431, 87.7546, 97.2089



83.9854, 87.7546, 138.7594



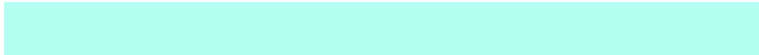
97.3774, 87.7546, 93.9098



82.8335, 87.7546, 62.3944

Rectangle

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



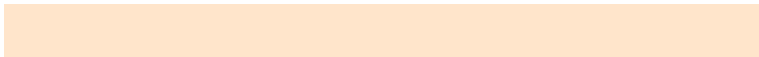
70.8431, 87.7546, 97.2089



75.5874, 87.7546, 128.9698



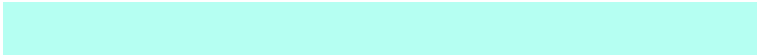
97.3774, 87.7546, 93.9098



91.7505, 87.7546, 68.4680

Sweetspot

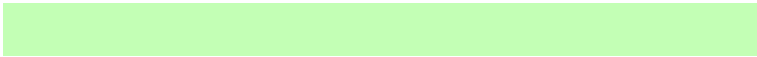
The Sweet Spot groups the original color and five complimentary colors.



70.8441, 87.7550, 97.2104



86.4626, 95.6472, 105.1456



66.4953, 86.4011, 56.8901



18.2294, 20.3321, 22.3779



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

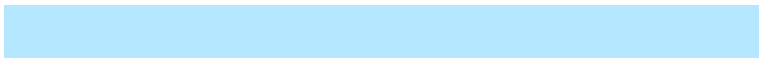
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.8441, 87.7550, 97.2104



67.0612, 85.8511, 94.9478



65.8418, 74.5142, 105.5202



18.4098, 20.4235, 22.4612



24.8273, 39.8275, 38.5714



2.4517, 3.8916, 3.9363

Inverse Universe

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



67.5022, 58.2041, 58.7164



63.2152, 51.7954, 50.6121



71.2773, 67.9893, 53.0842



18.1396, 18.0392, 19.3523



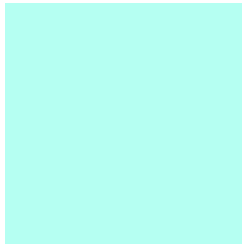
21.8317, 11.2220, 2.4983



2.1597, 1.1062, 0.4224

Previews

White Background



This preview shows how the XYZ color 70.8431, 87.7546, 97.2089 looks on a white background.

Color Contrast Check

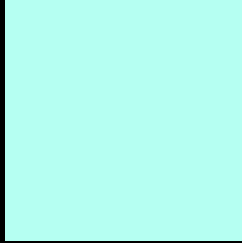
Large Text (above 18pt) WCAG AA × Fail

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 70.8431, 87.7546, 97.2089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

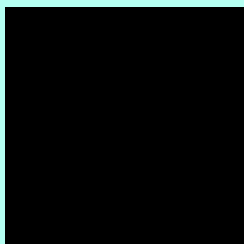
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

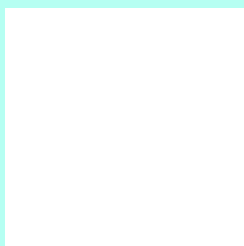
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.8431, 87.7546, 97.2089

Background



This preview shows how black text looks on a background with the XYZ color 70.8431, 87.7546, 97.2089.

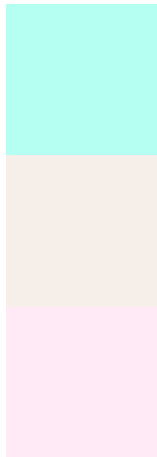


This preview shows how white text looks on a background with the XYZ color 70.8431, 87.7546,

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

70.8431, 87.7546, 97.2089

Protanopia

83.5805, 87.2090, 89.5187

Deuteranopia

87.1442, 86.6982, 98.5276



Tritanopia

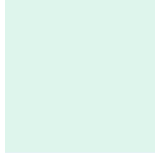
79.3177, 87.2765, 107.2733

Trichromacy



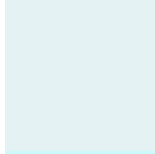
Original Color

70.8431, 87.7546, 97.2089



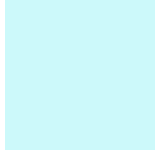
Protanomaly

77.9169, 86.8905, 92.0218



Deuteranomaly

80.0762, 86.5299, 98.0694



Tritanomaly

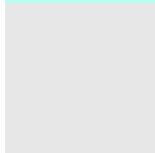
76.0328, 87.4909, 103.3225

Monochromacy



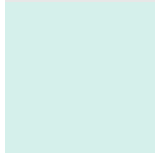
Original Color

70.8431, 87.7546, 97.2089



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.5961, 82.4645, 90.6356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8431, 87.7546, 97.2089 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(181, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 242)  
}
```

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(181, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 242) }
```

Border

The CSS property to change the border of an element to XYZ 70.8431, 87.7546, 97.2089 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(181, 255, 242) }
```


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

```
.border{ border-color:rgb(181, 255, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8431, 87.7546, 97.2089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 242) }
```

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

```
.background{ background-color: rgb(181,  
255, 242) }
```

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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