

Converting Colors

XYZ(70.5429, 87.5687, 98.6881)

Have a look what the booklet for
XYZ(70.5429, 87.5687, 98.6881)
contains.

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Color

**XYZ(70.4492, 87.5166,
98.7673)**

Conversions

Conversions Part 1

Format	Color
Hex	B2FFF4
RGB	178, 255, 244
RGB Percent	70%, 100%, 96%
CMY	0.3019, 0.0000, 0.0431
CMYK	0.30, 0.00, 0.04, 0.00
HSL	171°, 100%, 85%
HSV	171°, 30%, 100%
XYZ	70.4492, 87.5166, 98.7673
YIQ	230.7230, -42.3610, -19.7450

Conversions

Conversions Part 2

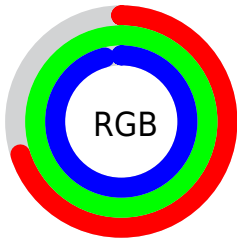
Format	Color
R_{YB}	178, 219, 255
Decimal	11730932
CIE _{Lab}	94.96, -25.77, -2.30
CIE _{LCh}	95, 25.868, 185.098
Yxy	87.5166, 0.2744, 0.3409
Android (android.graphics.Color)	4289921012 (0xFFB2FFF4)
YUV	230.7230, 6.5456, -46.2381
Hunter-Lab	93.5503, -29.2914, 2.8888

Details

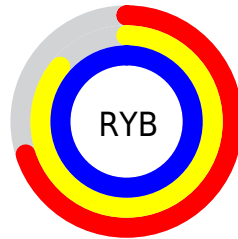
The XYZ color **70.4492, 87.5166, 98.7673** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **66.3464, 56.7762, 55.6068**, and the grayscale version is **75.7251, 79.6687, 86.7592**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **37.4396, 48.2300, 54.9130** is the 20% darker color. If you saturate the color by 10%, you get **64.5849, 84.5567, 95.6354**, and if you desaturate by 10%, it is **77.4139, 91.0425, 102.0106**.

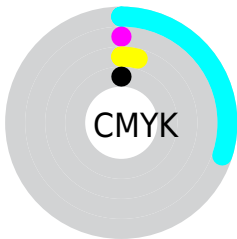
Distribution



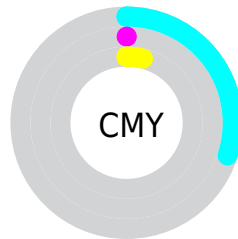
- Red (70%)
- Green (100%)
- Blue (96%)



- 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 70.4492, 87.5166, 98.7673 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 70.4492, 87.5166, 98.7673 by changing the saturation by 10% instead.

70.4492, 87.5166,
98.7673

70.4492, 87.5166,
98.7673

451.3675,
519.9189, 577.4461

52.1737, 65.9228,
74.6603

118.8719,
143.8840, 161.4992

37.3684, 48.2097,
54.8346

149.7499,
179.4263, 200.9612

25.6678, 33.9930,
38.8716

185.5594,
220.3870, 246.3787

16.7067, 22.8882,
26.3528

226.6658,
267.1504, 298.1701

10.1196, 14.5110,
16.8596

273.4344,
320.1009, 356.7540

5.5412, 8.4769,
9.9736

326.2307,

2.6062, 4.4016,

379.6229, 422.5489

5.2761

385.4199,
446.1007, 495.9735

■ 0.9491, 1.9007,
2.3486

■ 0.0000, 0.5488,
0.7582

■ 70.4492, 87.5166,
98.7673

■ 70.4492, 87.5166,
98.7673

■ 64.5849, 84.5567,
95.6354

■ 77.4139, 91.0425,
102.0106

■ 59.7576, 82.1302,
92.6074

■ 85.5319, 95.1616,
105.3639

■ 55.9020, 80.2033,
89.6812

94.8560, 99.9013,
108.8313

■ 52.9440, 78.7379,
86.8531

95.0500, 100.0000,
108.9000

■ 50.7990, 77.6904,
84.1188

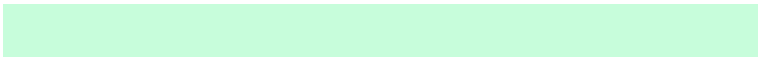
■ 49.3656, 77.0086,
81.4733

■ 48.4904, 76.6122,
78.9575

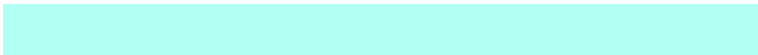
Harmonies

Analogous

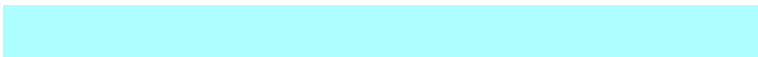
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.5301, 87.5166, 79.9235



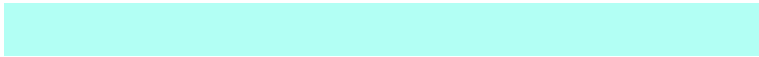
70.4492, 87.5166, 98.7673



72.6203, 87.5166, 119.2897

Triad

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



70.4492, 87.5166, 98.7673



91.1865, 87.5166, 130.5452



88.9955, 87.5166, 64.3534

Complementary

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



70.4492, 87.5166, 98.7673



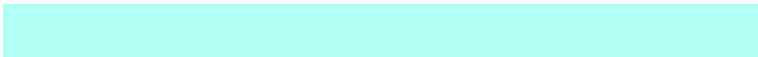
66.3464, 56.7762, 55.6068

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.



94.7209, 87.5166, 74.7478



70.4492, 87.5166, 98.7673



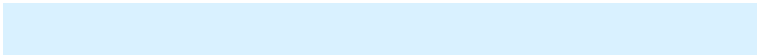
96.0349, 87.5166, 112.5113

Square

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



70.4492, 87.5166, 98.7673



84.3871, 87.5166, 139.2117



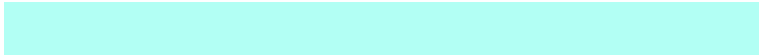
97.3632, 87.5166, 91.8967



81.9882, 87.5166, 61.7410

Rectangle

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



70.4492, 87.5166, 98.7673



75.6957, 87.5166, 130.6392



97.3632, 87.5166, 91.8967



91.1462, 87.5166, 66.9738

Sweetspot

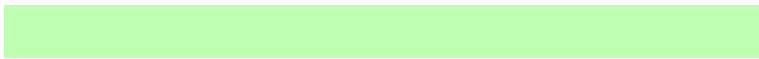
The Sweet Spot groups the original color and five complimentary colors.



70.4502, 87.5171, 98.7688



86.5816, 95.6948, 105.7721



64.9198, 85.6241, 55.2265



18.2589, 20.3439, 22.5332



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

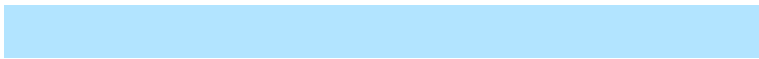
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.4502, 87.5171, 98.7688



66.9153, 85.7317, 96.9368



64.1682, 72.2002, 105.1618



18.4367, 20.4342, 22.6027



25.3801, 40.0486, 41.4823



2.5004, 3.9111, 4.1930

Inverse Universe

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



66.3464, 56.7762, 55.6068



62.2402, 50.6724, 47.7370



71.0960, 68.1141, 51.5212



18.1150, 18.0293, 19.2230



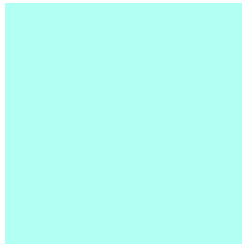
21.7503, 11.1894, 2.0697



2.1480, 1.1016, 0.3609

Previews

White Background



This preview shows how the XYZ color 70.4492, 87.5166, 98.7673 looks on a white background.

Color Contrast Check

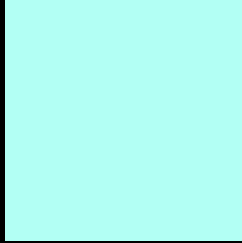
Large Text (above 18pt) WCAG AA × Fail

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 70.4492, 87.5166, 98.7673 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

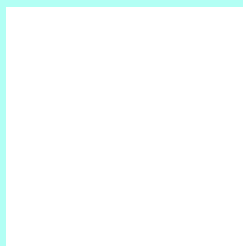
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.4492, 87.5166, 98.7673

Background



This preview shows how black text looks on a background with the XYZ color 70.4492, 87.5166, 98.7673.

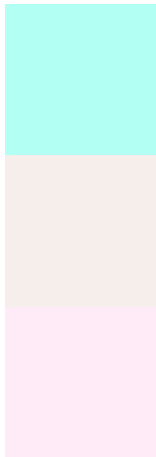


This preview shows how white text looks on a background with the XYZ color 70.4492, 87.5166,

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

70.4492, 87.5166, 98.7673

Protanopia

83.2261, 86.5597, 90.9185

Deuteranopia

87.4513, 86.8210, 100.1446



Tritanopia

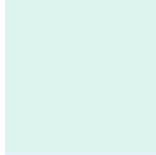
79.0213, 87.1237, 107.2594

Trichromacy



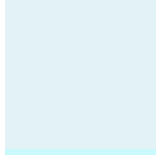
Original Color

70.4492, 87.5166, 98.7673



Protanomaly

77.6021, 86.2466, 93.4461



Deuteranomaly

80.0652, 86.4890, 99.6629



Tritanomaly

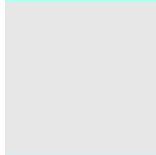
75.6454, 87.2730, 104.1252

Monochromacy



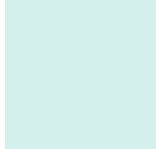
Original Color

70.4492, 87.5166, 98.7673



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 70.4492, 87.5166, 98.7673 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(178, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 244)  
}
```

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(178, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 244) }
```

Border

The CSS property to change the border of an element to XYZ 70.4492, 87.5166, 98.7673 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(178, 255, 244) }
```


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

```
.border{ border-color:rgb(178, 255, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4492, 87.5166, 98.7673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 244) }
```

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

```
.background{ background-color: rgb(178,  
255, 244) }
```

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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