

Converting Colors

XYZ(79.3380, 104.5401,
101.4678)

Have a look what the booklet for
XYZ(79.3380, 104.5401, 101.4678)
contains.

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Color

**XYZ(70.9115, 87.7550,
98.7889)**

Conversions

Conversions Part 1

Format	Color
Hex	B4FFF4
RGB	180, 255, 244
RGB Percent	71%, 100%, 96%
CMY	0.2941, 0.0000, 0.0431
CMYK	0.29, 0.00, 0.04, 0.00
HSL	171°, 100%, 85%
HSV	171°, 29%, 100%
XYZ	70.9115, 87.7550, 98.7889
YIQ	231.3210, -41.1690, -19.3210

Conversions

Conversions Part 2

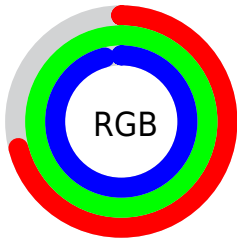
Format	Color
R_{YB}	180, 220, 255
Decimal	11862004
CIE _{Lab}	95.06, -25.21, -2.14
CIE _{LCh}	95, 25.303, 184.850
Yxy	87.7550, 0.2754, 0.3409
Android (android.graphics.Color)	4290052084 (0xFFB4FFF4)
YUV	231.3210, 6.2507, -45.0085
Hunter-Lab	93.6776, -28.8161, 3.0494

Details

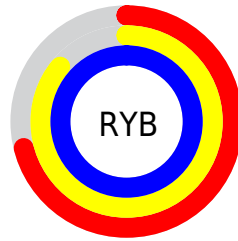
The XYZ color **70.9115, 87.7550, 98.7889** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **66.9659, 57.6653, 56.8918**, and the grayscale version is **76.1714, 80.1383, 87.2706**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **37.7286, 48.3790, 54.9265** is the 20% darker color. If you saturate the color by 10%, you get **64.9495, 84.7463, 95.5770**, and if you desaturate by 10%, it is **77.9789, 91.3320, 102.1156**.

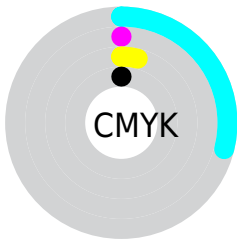
Distribution



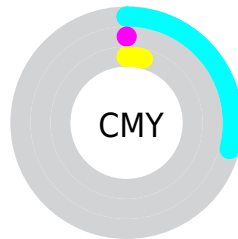
- Red (71%)
- Green (100%)
- Blue (96%)



- Red (71%)
- Yellow (86%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.9115, 87.7550, 98.7889 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 70.9115, 87.7550, 98.7889 by changing the saturation by 10% instead.


 70.9115, 87.7550,
98.7889

 70.9115, 87.7550,
98.7889


452.9607,
520.7006, 577.5162

 52.5523, 66.1202,
74.6782

 119.5269,
144.2160, 161.5292

 37.6715, 48.3700,
54.8492


150.5138,
179.8110, 200.9959

 25.9039, 34.1200,
38.8832


186.4405,
220.8282, 246.4184

 16.8841, 22.9858,
26.3618

227.6726,
267.6519, 298.2152

 10.2466, 14.5830,
16.8663

274.5753,
320.6667, 356.8048

 5.6263, 8.5273,
9.9782

327.5140,

 2.6577, 4.4341,

380.2567, 422.6058

5.2791

386.8540,
446.8066, 496.0368

■ 0.9754, 1.9193,
2.3504

■ 0.0000, 0.5599,
0.7592

■ 70.9115, 87.7550,
98.7889

■ 70.9115, 87.7550,
98.7889

■ 64.9495, 84.7463,
95.5770

■ 77.9789, 91.3320,
102.1156


■ 60.0301, 82.2739,
92.4722


■ 86.2044, 95.5048,
105.5555


■ 56.0884, 80.3042,
89.4726


95.0500, 100.0000,
108.9000

■ 53.0511, 78.7994,
86.5744

 50.8343, 77.7163,
83.7734

 49.3386, 77.0037,
81.0644

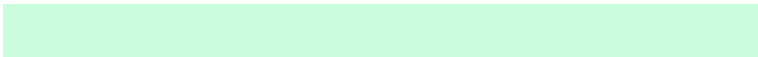
 48.4108, 76.5825,
78.4401

 48.3632, 76.5613,
78.2876

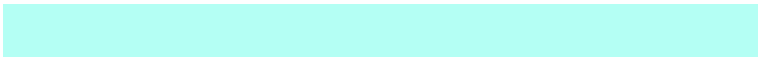
Harmonies

Analogous

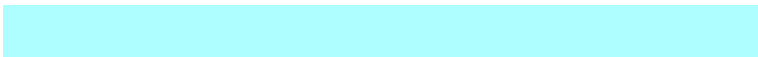
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.9998, 87.7550, 80.3393



70.9115, 87.7550, 98.7889



73.0184, 87.7550, 118.8712

Triad

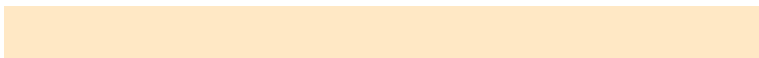
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.9115, 87.7550, 98.7889



91.1970, 87.7550, 130.1286



89.1567, 87.7550, 65.2000

Complementary

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



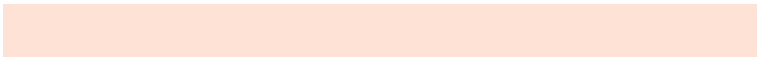
70.9115, 87.7550, 98.7889



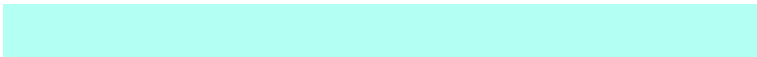
66.9659, 57.6653, 56.8918

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.



94.7403, 87.7550, 75.4983



70.9115, 87.7550, 98.7889



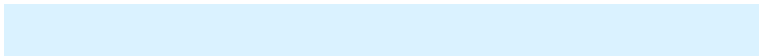
95.9629, 87.7550, 112.5694

Square

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



70.9115, 87.7550, 98.7889



84.5318, 87.7550, 138.4815



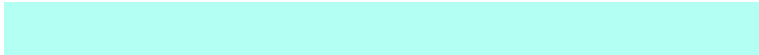
97.2937, 87.7550, 92.3832



82.2952, 87.7550, 62.5584

Rectangle

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



70.9115, 87.7550, 98.7889



76.0233, 87.7550, 129.9890



97.2937, 87.7550, 92.3832



91.2571, 87.7550, 67.8044

Sweetspot

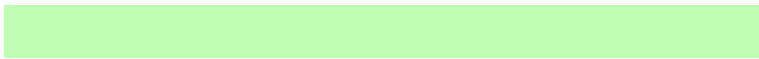
The Sweet Spot groups the original color and five complimentary colors.



70.9124, 87.7554, 98.7904



86.5677, 95.6893, 105.6993



65.5479, 85.9245, 56.3119



18.2555, 20.3425, 22.5152



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

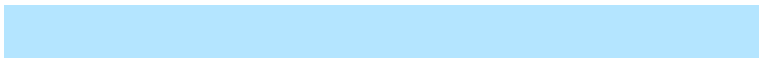
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.9124, 87.7554, 98.7904



67.4473, 86.0055, 96.9807



64.8235, 72.8245, 105.2477



18.4336, 20.4330, 22.5862



25.3145, 40.0224, 41.1369



2.4946, 3.9088, 4.1626

Inverse Universe

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



66.9659, 57.6653, 56.8918



62.9512, 51.6898, 49.2214



71.6105, 68.8194, 52.6907



18.1179, 18.0305, 19.2380



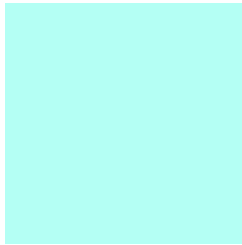
21.7589, 11.1929, 2.1151



2.1493, 1.1021, 0.3679

Previews

White Background



This preview shows how the XYZ color 70.9115, 87.7550, 98.7889 looks on a white background.

Color Contrast Check

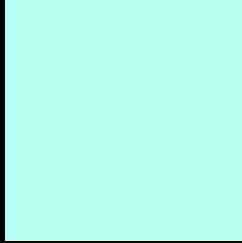
Large Text (above 18pt) WCAG AA × Fail

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 70.9115, 87.7550, 98.7889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

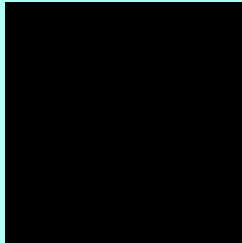
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

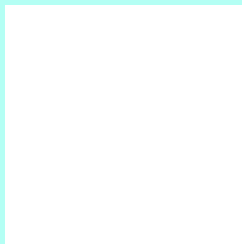
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9115, 87.7550, 98.7889

Background



This preview shows how black text looks on a background with the XYZ color 70.9115, 87.7550, 98.7889.

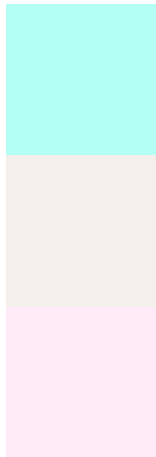


This preview shows how white text looks on a background with the XYZ color 70.9115, 87.7550,

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

70.9115, 87.7550, 98.7889

Protanopia

83.5181, 87.1436, 91.0158

Deuteranopia

87.4513, 86.8210, 100.1446



Tritanopia

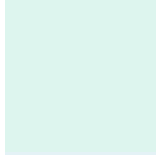
79.3177, 87.2765, 107.2733

Trichromacy



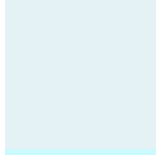
Original Color

70.9115, 87.7550, 98.7889



Protanomaly

77.9038, 86.8500, 93.5467



Deuteranomaly

80.3816, 86.6521, 99.6777



Tritanomaly

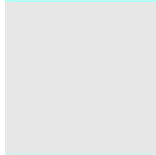
76.1901, 87.5538, 104.1507

Monochromacy



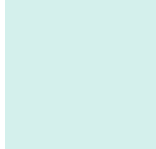
Original Color

70.9115, 87.7550, 98.7889



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 70.9115, 87.7550, 98.7889 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(180, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(180, 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(180, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 244) }
```

Border

The CSS property to change the border of an element to XYZ 70.9115, 87.7550, 98.7889 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(180, 255, 244) }
```


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

```
.border{ border-color:rgb(180, 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(180, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9115, 87.7550, 98.7889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 244) }
```

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

```
.background{ background-color: rgb(180,  
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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