

Converting Colors

XYZ(70.6029, 87.5914, 98.9764)

Have a look what the booklet for
XYZ(70.6029, 87.5914, 98.9764)
contains.

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Color

**XYZ(70.6795, 87.6354,
98.7781)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | B3FFF4 |
| RGB | 179, 255, 244 |
| RGB Percent | 70%, 100%, 96% |
| CMY | 0.2980, 0.0000, 0.0431 |
| CMYK | 0.30, 0.00, 0.04, 0.00 |
| HSL | 171°, 100%, 85% |
| HSV | 171°, 30%, 100% |
| XYZ | 70.6795, 87.6354, 98.7781 |
| YIQ | 231.0220, -41.7650, -19.5330 |

Conversions

Conversions Part 2

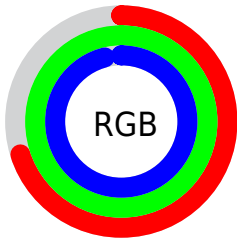
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 179, 220, 255 |
| Decimal | 11796468 |
| CIE Lab | 95.01, -25.49, -2.22 |
| CIE LCh | 95, 25.586, 184.976 |
| Yxy | 87.6354, 0.2749, 0.3409 |
| Android (android.graphics.Color) | 4289986548 (0xFFB3FFF4) |
| YUV | 231.0220, 6.3982, -45.6233 |
| Hunter-Lab | 93.6138, -29.0545, 2.9688 |

Details

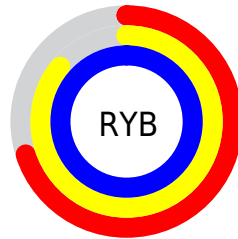
The XYZ color **70.6795, 87.6354, 98.7781** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **66.6550, 57.2190, 56.2470**, and the grayscale version is **75.9480, 79.9032, 87.0146**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **37.5834, 48.3041, 54.9197** is the 20% darker color. If you saturate the color by 10%, you get **64.7665, 84.6511, 95.6067**, and if you desaturate by 10%, it is **77.6954, 91.1867, 102.0626**.

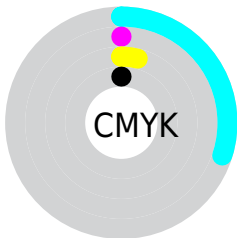
Distribution



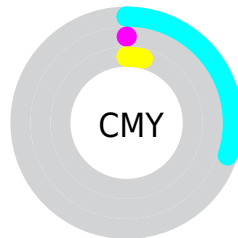
- Red (70%)
- Green (100%)
- Blue (96%)



- 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 70.6795, 87.6354, 98.7781 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 70.6795, 87.6354, 98.7781 by changing the saturation by 10% instead.

 70.6795, 87.6354,
98.7781

 70.6795, 87.6354,
98.7781


452.1616,
520.3085, 577.4812

 52.3623, 66.0212,
74.6693


 119.1983,
144.0495, 161.5142

 37.5194, 48.2896,
54.8419


150.1305,
179.6180, 200.9786

 25.7854, 34.0563,
38.8774


185.9985,
220.6069, 246.3985

 16.7950, 22.9368,
26.3573

227.1675,
267.4004, 298.1926

 10.1828, 14.5469,
16.8630

274.0030,
320.3829, 356.7794

 5.5835, 8.5020,
9.9759

326.8702,

 2.6318, 4.4178,

379.9388, 422.5774

5.2776

386.1347,
446.4525, 496.0051

■ 0.9622, 1.9099,
2.3495

■ 0.0000, 0.5543,
0.7587

■ 70.6795, 87.6354,
98.7781

■ 70.6795, 87.6354,
98.7781

■ 64.7665, 84.6511,
95.6067

■ 77.6954, 91.1867,
102.0626


■ 59.8933, 82.2017,
92.5408


■ 85.8669, 95.3326,
105.4586


■ 55.9948, 80.2535,
89.5783


95.0500, 100.0000,
108.9000

■ 52.9973, 78.7685,
86.7156

 50.8165, 77.7033,
83.9484

 49.3521, 77.0061,
81.2715

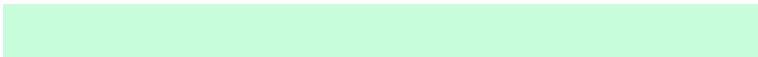
 48.4434, 76.5941,
78.6771

 48.4276, 76.5870,
78.6266

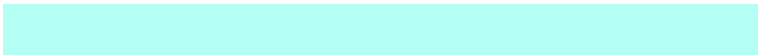
Harmonies

Analogous

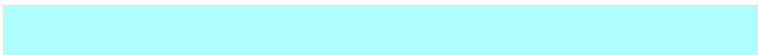
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.7641, 87.6354, 80.1307



70.6795, 87.6354, 98.7781



72.8186, 87.6354, 119.0809

Triad

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



70.6795, 87.6354, 98.7781



91.1917, 87.6354, 130.3371



89.0758, 87.6354, 64.7747

Complementary

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



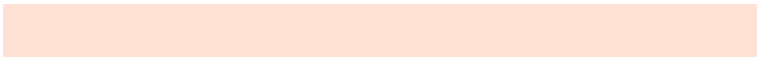
70.6795, 87.6354, 98.7781



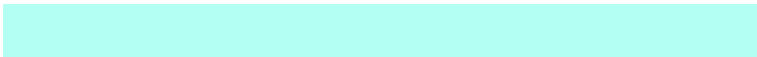
66.6550, 57.2190, 56.2470

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.



94.7305, 87.6354, 75.1214



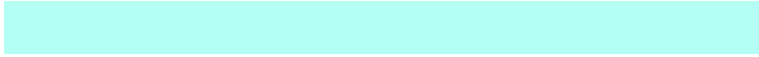
70.6795, 87.6354, 98.7781



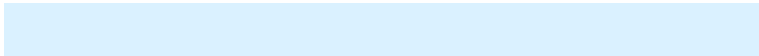
95.9989, 87.6354, 112.5401

Square

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



70.6795, 87.6354, 98.7781



84.4592, 87.6354, 138.8471



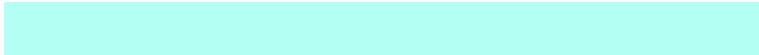
97.3284, 87.6354, 92.1390



82.1411, 87.6354, 62.1478

Rectangle

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



70.6795, 87.6354, 98.7781



75.8589, 87.6354, 130.3146



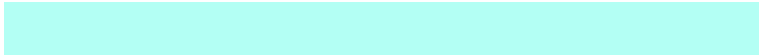
97.3284, 87.6354, 92.1390



91.2014, 87.6354, 67.3871

Sweetspot

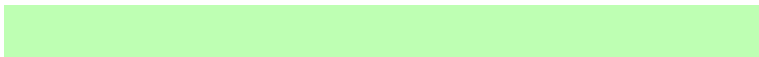
The Sweet Spot groups the original color and five complimentary colors.



70.6804, 87.6358, 98.7796



86.5747, 95.6921, 105.7362



65.2328, 85.7738, 55.7671



18.2572, 20.3432, 22.5243



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

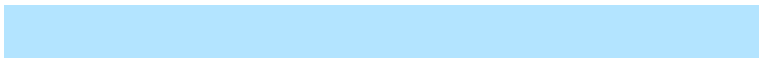
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.6804, 87.6358, 98.7796



66.8895, 85.7213, 96.8005



64.4949, 72.5117, 105.2047



18.4352, 20.4336, 22.5945



25.3477, 40.0357, 41.3117



2.4976, 3.9100, 4.1780

Inverse Universe

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



66.6550, 57.2190, 56.2470



62.2573, 50.6793, 47.8271



71.3525, 68.4659, 52.1038



18.1164, 18.0299, 19.2304



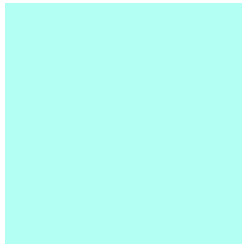
21.7545, 11.1911, 2.0920



2.1487, 1.1018, 0.3644

Previews

White Background



This preview shows how the XYZ color 70.6795, 87.6354, 98.7781 looks on a white background.

Color Contrast Check

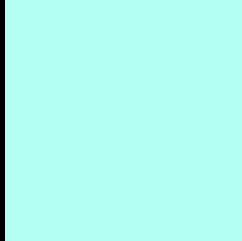
Large Text (above 18pt) WCAG AA × Fail

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 70.6795, 87.6354, 98.7781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

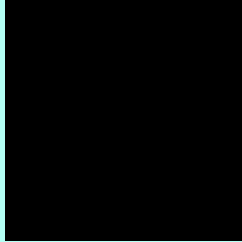
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

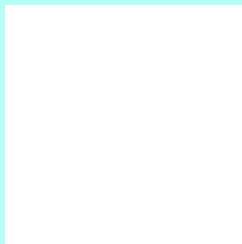
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.6795, 87.6354, 98.7781

Background



This preview shows how black text looks on a background with the XYZ color 70.6795, 87.6354, 98.7781.

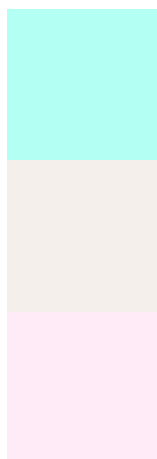


This preview shows how white text looks on a background with the XYZ color 70.6795, 87.6354,

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

70.6795, 87.6354, 98.7781

Protanopia

83.5181, 87.1436, 91.0158

Deuteranopia

87.4513, 86.8210, 100.1446



Tritanopia

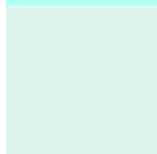
79.0213, 87.1237, 107.2594

Trichromacy



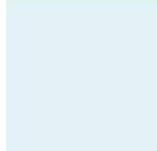
Original Color

70.6795, 87.6354, 98.7781



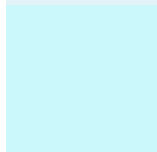
Protanomaly

77.9038, 86.8500, 93.5467



Deuteranomaly

80.0652, 86.4890, 99.6629



Tritanomaly

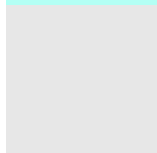
75.9169, 87.4129, 104.1379

Monochromacy



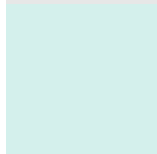
Original Color

70.6795, 87.6354, 98.7781



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 70.6795, 87.6354, 98.7781 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, 244)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 244) }
```

Border

The CSS property to change the border of an element to XYZ 70.6795, 87.6354, 98.7781 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, 244) }
```


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

```
.border{ border-color:rgb(179, 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(179, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6795, 87.6354, 98.7781 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, 244) }
```

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

```
.background{ background-color: rgb(179,  
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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