

Converting Colors

XYZ(70.4650, 86.4805, 94.7798)

Have a look what the booklet for
XYZ(70.4650, 86.4805, 94.7798)
contains.

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Color

**XYZ(70.4724, 86.6729,
94.6766)**

Conversions

Conversions Part 1

Format	Color
Hex	B8FDEF
RGB	184, 253, 239
RGB Percent	72%, 99%, 94%
CMY	0.2784, 0.0078, 0.0627
CMYK	0.27, 0.00, 0.06, 0.01
HSL	168°, 95%, 86%
HSV	168°, 27%, 99%
XYZ	70.4724, 86.6729, 94.6766
YIQ	230.7730, -36.6300, -18.9820

Conversions

Conversions Part 2

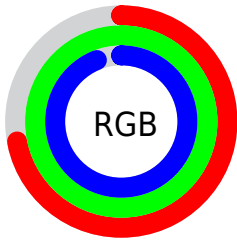
Format	Color
RYB	184, 222, 253
Decimal	12123631
CIELab	94.60, -24.17, -0.20
CIELCh	95, 24.175, 180.486
Yxy	86.6729, 0.2799, 0.3442
Android (android.graphics.Color)	4290313711 (0xFFB8FDEF)
YUV	230.7730, 4.0559, -41.0199
Hunter-Lab	93.0983, -27.8032, 4.8736

Details

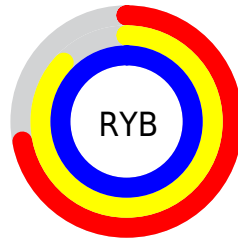
The XYZ color **70.4724, 86.6729, 94.6766** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.8445, 59.2431, 61.2888**, and the grayscale version is **75.7792, 79.7256, 86.8212**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **37.3404, 47.5659, 52.0128** is the 20% darker color. If you saturate the color by 10%, you get **64.1981, 83.5271, 90.4808**, and if you desaturate by 10%, it is **77.8570, 90.3932, 99.0406**.

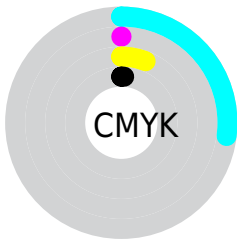
Distribution



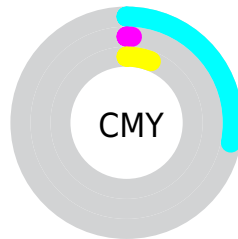
- Red (72%)
- Green (99%)
- Blue (94%)



- Red (72%)
- Yellow (87%)
- Blue (99%)



- Cyan (27%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)





- Cyan (28%)
- Magenta (1%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.4724, 86.6729, 94.6766 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 70.4724, 86.6729, 94.6766 by changing the saturation by 10% instead.


 70.4724, 86.6729,
94.6766

 70.4724, 86.6729,
94.6766

451.4475,
517.1474, 564.0870

 52.1927, 65.2245,
71.2704


 118.9048,
142.7081, 155.8095

 37.3836, 47.6432,
52.0797


149.7882,
178.0638, 194.3733

 25.6797, 33.5444,
36.6860

185.6036,
218.8240, 238.8267

 16.7156, 22.5438,
24.6706

226.7163,
265.3732, 289.5883

 10.1260, 14.2570,
15.6150

273.4917,
318.0958, 347.0765

 5.5455, 8.2997,
9.1007

326.2952,

 2.6087, 4.2873,

377.3760, 411.7101

4.7092

385.4920,
443.5985, 483.9074

■ 0.9504, 1.8355,
2.0220

■ 0.0000, 0.5092,
0.5687

■ 70.4724, 86.6729,
94.6766

■ 70.4724, 86.6729,
94.6766

■ 64.1981, 83.5271,
90.4808

■ 77.8570, 90.3932,
99.0406

■ 58.9688, 80.9152,
86.4437

■ 86.3982, 94.7049,
103.5702

■ 54.7236, 78.8082,
82.5632

■ 94.3212, 98.6954,
108.1852

■ 51.3923, 77.1699,
78.8352

■ 94.4168, 98.7337,
108.6889

■ 48.8950, 75.9592,
75.2551

■ 47.1379, 75.1276,
71.8173

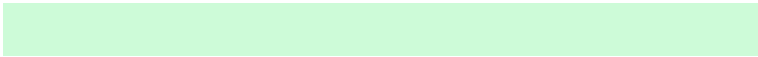
■ 46.0000, 74.6129,
68.5153

■ 45.7474, 74.5019,
67.6360

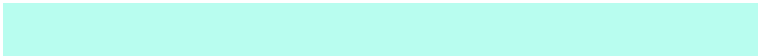
Harmonies

Analogous

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



71.9478, 86.6729, 77.7710



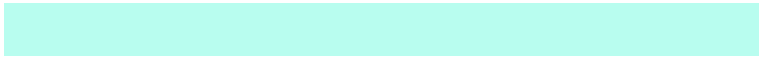
70.4724, 86.6729, 94.6766



72.0449, 86.6729, 113.7777

Triad

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



70.4724, 86.6729, 94.6766



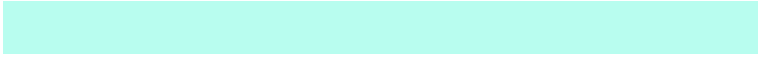
88.9031, 86.6729, 128.8055



88.7097, 86.6729, 66.4561

Complementary

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



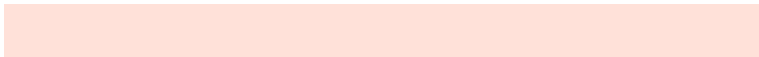
70.4724, 86.6729, 94.6766



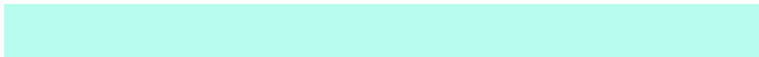
67.8445, 59.2431, 61.2888

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.



93.6591, 86.6729, 77.3088



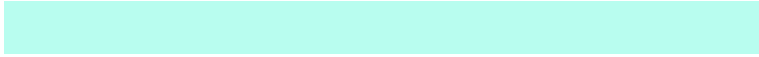
70.4724, 86.6729, 94.6766



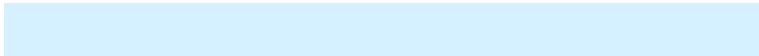
93.7748, 86.6729, 113.1818

Square

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



70.4724, 86.6729, 94.6766



82.4863, 86.6729, 135.0062



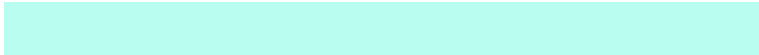
95.5586, 86.6729, 94.0682



82.2738, 86.6729, 62.8382

Rectangle

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



70.4724, 86.6729, 94.6766



74.6603, 86.6729, 124.8588



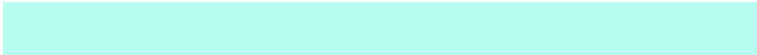
95.5586, 86.6729, 94.0682



90.6143, 86.6729, 69.3018

Sweetspot

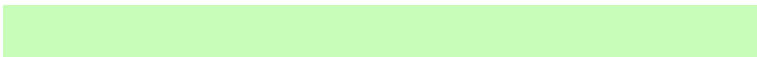
The Sweet Spot groups the original color and five complimentary colors.



70.4749, 86.6764, 94.6786



87.2796, 96.0704, 105.0945



67.3196, 85.8502, 58.3714



18.3876, 20.4146, 22.3440



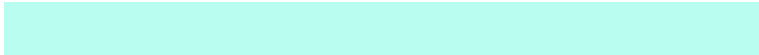
0.0000, 0.0000, 0.0000



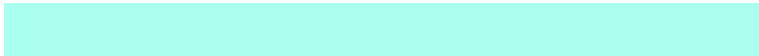
20.3446, 21.4041, 23.3091

Same Dimension

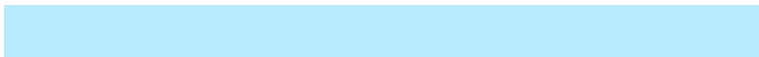
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.4749, 86.6764, 94.6786



67.9432, 86.3296, 93.9118



66.7659, 75.8182, 104.0481



18.3876, 20.4146, 22.3440



24.3888, 39.6521, 36.2626



2.4127, 3.8760, 3.7314

Inverse Universe

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



67.8445, 59.2431, 61.2888



64.8438, 53.9569, 54.5328



70.6486, 67.3180, 54.6189



18.1601, 18.0473, 19.4602



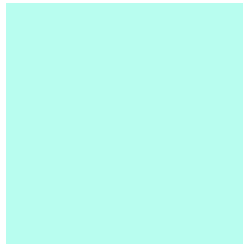
21.9119, 11.2540, 2.9205



2.1704, 1.1105, 0.4786

Previews

White Background



This preview shows how the XYZ color 70.4724, 86.6729, 94.6766 looks on a white background.

Color Contrast Check

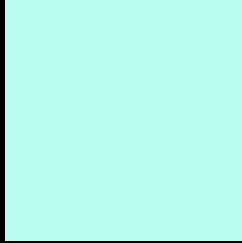
Large Text (above 18pt) WCAG AA × Fail

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 70.4724, 86.6729, 94.6766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

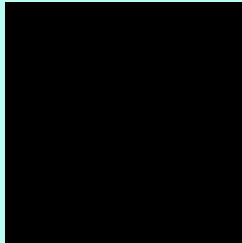
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

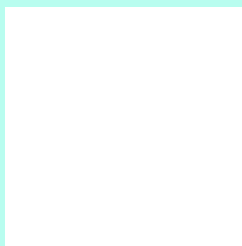
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.4724, 86.6729, 94.6766

Background



This preview shows how black text looks on a background with the XYZ color 70.4724, 86.6729, 94.6766.



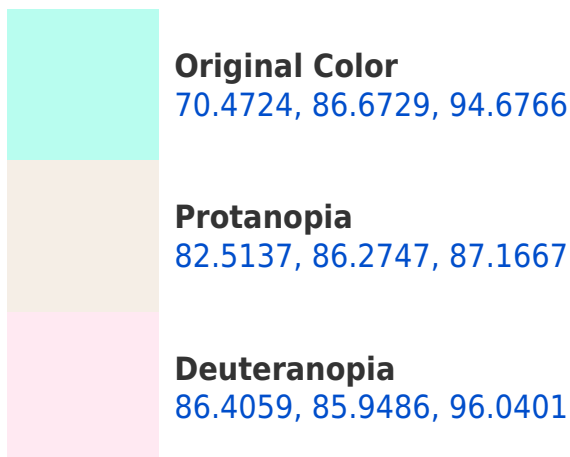
This preview shows how white text looks on a background with the XYZ color 70.4724, 86.6729,

94.6766.

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

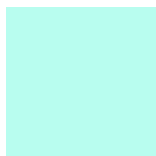




Tritanopia

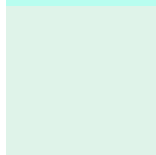
78.4250, 86.3684, 107.1451

Trichromacy



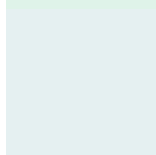
Original Color

70.4724, 86.6729, 94.6766



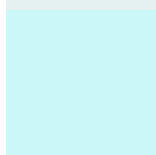
Protanomaly

77.1900, 85.6724, 89.5589



Deuteranomaly

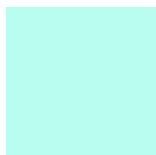
79.3504, 85.3291, 95.5070



Tritanomaly

75.2615, 86.1985, 102.2938

Monochromacy



Original Color

70.4724, 86.6729, 94.6766



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.4493, 81.9697, 89.7924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4724, 86.6729, 94.6766 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(184, 253, 239)` looks like.

```
.text, #text, p{  
    color:rgb(184, 253, 239)  
}
```

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(184, 253, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 253, 239) }
```

Border

The CSS property to change the border of an element to XYZ 70.4724, 86.6729, 94.6766 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(184, 253, 239) }
```


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

```
.border{ border-color:rgb(184, 253, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 253, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 253, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 253, 239);  
box-shadow:4px 4px 4px 4px rgb(184, 253,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4724, 86.6729, 94.6766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 253, 239) }
```

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

```
.background{ background-color: rgb(184,  
253, 239) }
```

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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