

Converting Colors

XYZ(78.2448, 100.0000,
99.5844)

Have a look what the booklet for
XYZ(78.2448, 100.0000, 99.5844)
contains.

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Color

**XYZ(72.6767, 88.6824,
98.0810)**

Conversions

Conversions Part 1

Format	Color
Hex	BCFFF3
RGB	188, 255, 243
RGB Percent	74%, 100%, 95%
CMY	0.2627, 0.0000, 0.0471
CMYK	0.26, 0.00, 0.05, 0.00
HSL	169°, 100%, 87%
HSV	169°, 26%, 100%
XYZ	72.6767, 88.6824, 98.0810
YIQ	233.5990, -36.0800, -17.9360

Conversions

Conversions Part 2

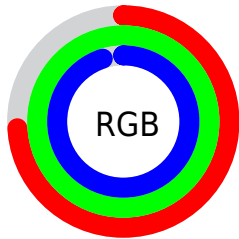
Format	Color
R_{YB}	188, 225, 255
Decimal	12386291
CIE _{Lab}	95.45, -23.16, -1.00
CIE _{LCh}	95, 23.182, 182.481
Yxy	88.6824, 0.2801, 0.3418
Android (android.graphics.Color)	4290576371 (0xFFBCFFF3)
YUV	233.5990, 4.6347, -39.9903
Hunter-Lab	94.1713, -27.0425, 4.1684

Details

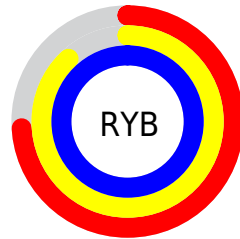
The XYZ color **72.6767, 88.6824, 98.0810** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.6493, 61.3978, 62.8242**, and the grayscale version is **77.8891, 81.9454, 89.2386**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **38.8366, 48.9626, 54.4175** is the 20% darker color. If you saturate the color by 10%, you get **66.2593, 85.4528, 94.2264**, and if you desaturate by 10%, it is **80.2231, 92.4920, 102.0809**.

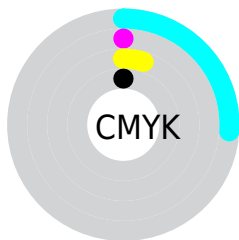
Distribution



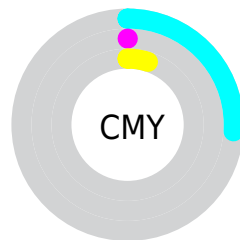
- Red (74%)
- Green (100%)
- Blue (95%)



- Red (74%)
- Yellow (88%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.6767, 88.6824, 98.0810 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 72.6767, 88.6824, 98.0810 by changing the saturation by 10% instead.


 72.6767, 88.6824,
98.0810

 72.6767, 88.6824,
98.0810


459.0147,
523.7354, 575.2165

 53.9991, 66.8884,
74.0909


 122.0237,
145.5068, 160.5463

 38.8316, 48.9939,
54.3712


153.4239,
181.3060, 199.8587

 26.8089, 34.6146,
38.5033


189.7956,
222.5423, 245.1156

 17.5656, 23.3662,
26.0687

231.5042,
269.6003, 296.7355

 10.7363, 14.8641,
16.6488

278.9150,
322.8641, 355.1370

 5.9558, 8.7241,
9.8251

332.3935,

 2.8586, 4.5617,

382.7183, 420.7387

5.1791

392.3049,
449.5473, 493.9590

■ 1.0795, 1.9924,
2.2921

■ 0.0078, 0.6031,
0.7268

■ 72.6767, 88.6824,
98.0810

■ 72.6767, 88.6824,
98.0810

■ 66.2593, 85.4528,
94.2264

■ 80.2231, 92.4920,
102.0809


■ 60.9094, 82.7716,
90.5092


■ 88.9497, 96.9081,
106.2248


■ 56.5641, 80.6062,
86.9273


95.0500, 100.0000,
108.9000

■ 53.1525, 78.9204,
83.4767

 50.5946, 77.6726,
80.1530

 48.7965, 76.8147,
76.9512

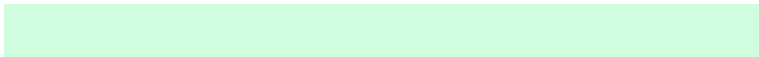
 47.6413, 76.2862,
73.8650

 47.3100, 76.1400,
72.7413

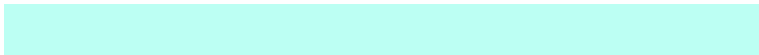
Harmonies

Analogous

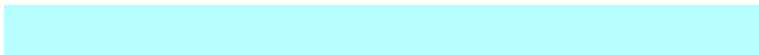
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.9241, 88.6824, 81.2958



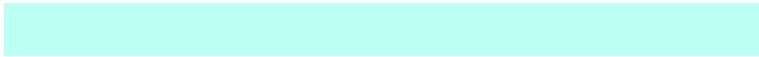
72.6767, 88.6824, 98.0810



74.4092, 88.6824, 116.5706

Triad

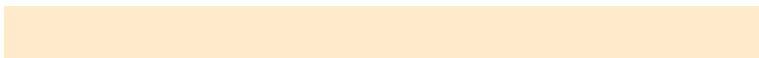
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.6767, 88.6824, 98.0810



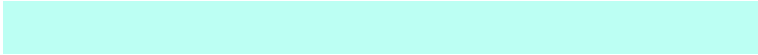
91.0146, 88.6824, 129.1438



90.0549, 88.6824, 68.7635

Complementary

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



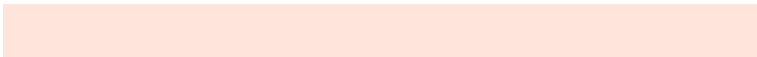
72.6767, 88.6824, 98.0810



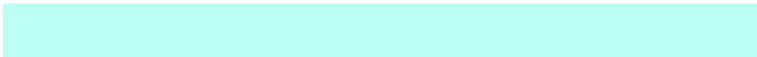
69.6493, 61.3978, 62.8242

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.



95.0088, 88.6824, 78.9815



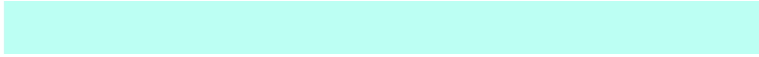
72.6767, 88.6824, 98.0810



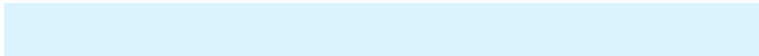
95.5821, 88.6824, 113.6245

Square

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



72.6767, 88.6824, 98.0810



84.8194, 88.6824, 135.8535



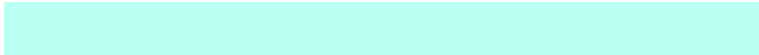
97.0788, 88.6824, 95.0549



83.7628, 88.6824, 65.6836

Rectangle

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



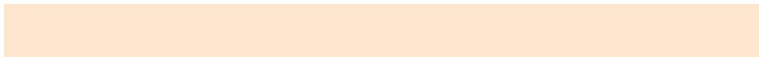
72.6767, 88.6824, 98.0810



77.0743, 88.6824, 127.0168



97.0788, 88.6824, 95.0549



91.9424, 88.6824, 71.4083

Sweetspot

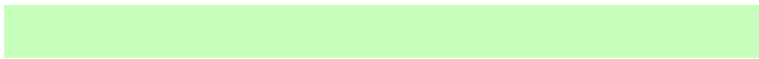
The Sweet Spot groups the original color and five complimentary colors.



72.6777, 88.6829, 98.0825



87.3563, 96.1011, 105.4988



68.7332, 87.4697, 60.8393



18.4070, 20.4223, 22.4464



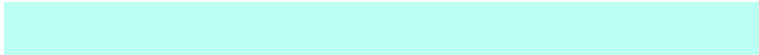
0.0000, 0.0000, 0.0000



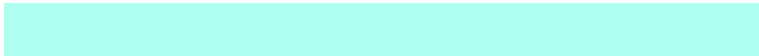
20.3446, 21.4041, 23.3091

Same Dimension

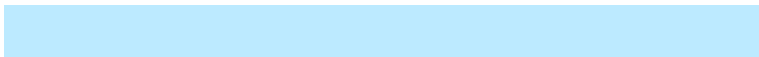
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.6777, 88.6829, 98.0825



68.8679, 86.7642, 95.8571



68.1512, 76.6346, 105.8077



18.4070, 20.4223, 22.4464



24.7712, 39.8051, 38.2759



2.4467, 3.8896, 3.9101

Inverse Universe

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



69.6493, 61.3978, 62.8242



65.3389, 54.9322, 54.7437



73.1715, 70.5992, 57.3490



18.1422, 18.0402, 19.3658



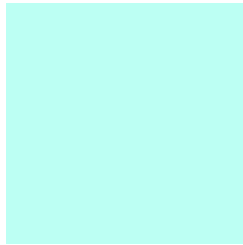
21.8411, 11.2257, 2.5480



2.1610, 1.1068, 0.4291

Previews

White Background



This preview shows how the XYZ color 72.6767, 88.6824, 98.0810 looks on a white background.

Color Contrast Check

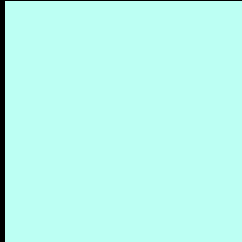
Large Text (above 18pt) WCAG AA × Fail

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 72.6767, 88.6824, 98.0810 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

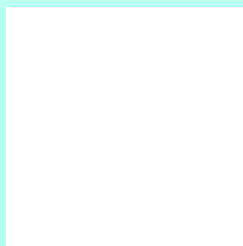
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.6767, 88.6824, 98.0810

Background



This preview shows how black text looks on a background with the XYZ color 72.6767, 88.6824, 98.0810.

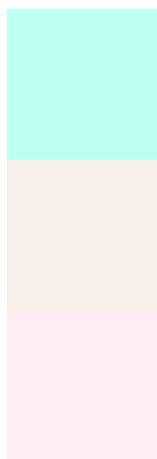


This preview shows how white text looks on a background with the XYZ color 72.6767, 88.6824,

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

72.6767, 88.6824, 98.0810

Protanopia

84.3691, 88.0348, 90.3876

Deuteranopia

87.7169, 87.8435, 98.7185



Tritanopia

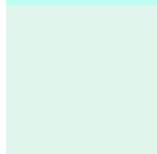
80.8246, 88.5037, 107.4308

Trichromacy



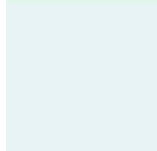
Original Color

72.6767, 88.6824, 98.0810



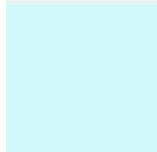
Protanomaly

79.3025, 87.5880, 92.8472



Deuteranomaly

81.3347, 87.6218, 98.2138



Tritanomaly

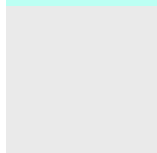
77.5828, 88.2717, 104.2159

Monochromacy



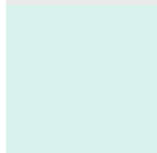
Original Color

72.6767, 88.6824, 98.0810



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.6535, 84.3704, 92.4185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.6767, 88.6824, 98.0810 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(188, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 243)  
}
```

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(188, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 243) }
```

Border

The CSS property to change the border of an element to XYZ 72.6767, 88.6824, 98.0810 is called "border". The border property can be set on classes, ids or directly on the HTML element.

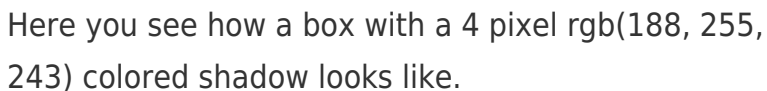
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 255, 243) }
```


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

```
.border{ border-color:rgb(188, 255, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 255, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 72.6767, 88.6824, 98.0810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 255, 243) }
```

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

```
.background{ background-color: rgb(188,  
255, 243) }
```

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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