

Converting Colors

XYZ(77.8785, 99.8021, 85.6790)

Have a look what the booklet for
XYZ(77.8785, 99.8021, 85.6790)
contains.

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Color

**XYZ(72.5032, 88.9076,
83.8606)**

Conversions

Conversions Part 1

Format	Color
Hex	C6FFE0
RGB	198, 255, 224
RGB Percent	78%, 100%, 88%
CMY	0.2235, 0.0000, 0.1216
CMYK	0.22, 0.00, 0.12, 0.00
HSL	147°, 100%, 89%
HSV	147°, 22%, 100%
XYZ	72.5032, 88.9076, 83.8606
YIQ	234.4230, -24.0210, -21.7250

Conversions

Conversions Part 2

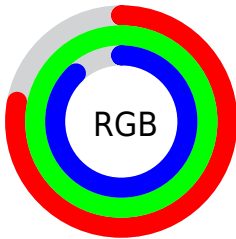
Format	Color
RYB	198, 237, 255
Decimal	13041632
CIELab	95.54, -23.93, 8.99
CIElCh	96, 25.562, 159.421
Yxy	88.9076, 0.2956, 0.3625
Android (android.graphics.Color)	4291231712 (0xFFC6FFE0)
YUV	234.4230, -5.1385, -31.9430
Hunter-Lab	94.2908, -27.7546, 13.2721

Details

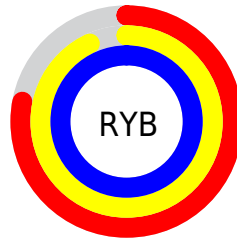
The XYZ color **72.5032, 88.9076, 83.8606** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.5773, 67.3060, 83.1365**, and the grayscale version is **78.5777, 82.6698, 90.0274**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6832, 49.0924, 44.9731** is the 20% darker color. If you saturate the color by 10%, you get **64.5332, 85.0074, 74.0672**, and if you desaturate by 10%, it is **81.7597, 93.4532, 94.5178**.

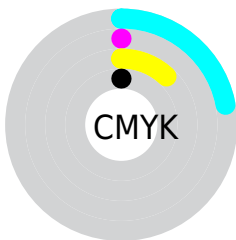
Distribution



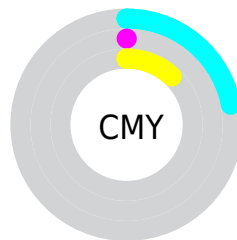
- Red (78%)
- Green (100%)
- Blue (88%)



- Red (78%)
- Yellow (93%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)



- Cyan (22%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.5032, 88.9076, 83.8606 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 72.5032, 88.9076, 83.8606 by changing the saturation by 10% instead.

72.5032, 88.9076,
83.8606

72.5032, 88.9076,
83.8606

458.4217,
524.4709, 527.8962

53.8568, 67.0750,
62.3556

121.7786,
145.8201, 140.6401

38.7174, 49.1456,
44.8825

153.1383,
181.6687, 176.7518

26.7197, 34.7350,
31.0226

189.4665,
222.9581, 218.5694

17.4983, 23.4588,
20.3574

231.1284,
270.0727, 266.5116

10.6879, 14.9326,
12.4685

278.4896,
323.3969, 320.9968

5.9231, 8.7721,
6.9372

331.9153,

2.8386, 4.5928,

383.3151, 382.4436

3.3450

391.7709,
450.2116, 451.2705

■ 1.0690, 2.0104,
1.2734

■ 0.0000, 0.6135,
0.0398

■ 72.5032, 88.9076,
83.8606

■ 72.5032, 88.9076,
83.8606

■ 64.5332, 85.0074,
74.0672

■ 81.7597, 93.4532,
94.5178

■ 57.7871, 81.7209,
65.1115

■ 92.3567, 98.6717,
106.0556

■ 52.2004, 79.0152,
56.9723

■ 95.0500, 100.0000,
108.9000

■ 47.7014, 76.8538,
49.6255

■ 44.2102, 75.1961,
43.0461

■ 41.6347, 73.9949,
37.2073

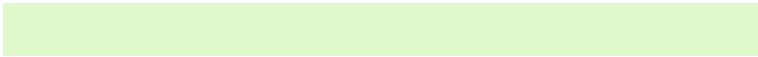
■ 39.8644, 73.1939,
32.0804

■ 38.9311, 72.7884,
28.6187

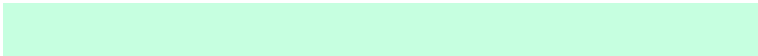
Harmonies

Analogous

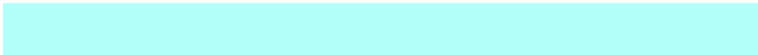
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.2307, 88.9076, 69.9424



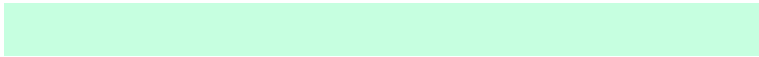
72.5032, 88.9076, 83.8606



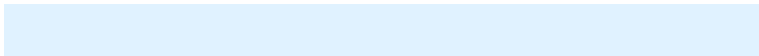
71.8924, 88.9076, 103.2620

Triad

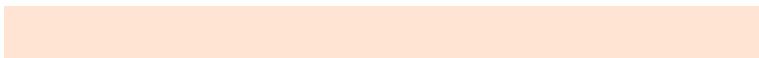
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.5032, 88.9076, 83.8606



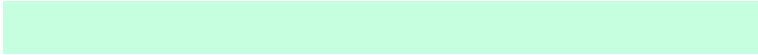
86.7294, 88.9076, 140.0980



95.3498, 88.9076, 74.3037

Complementary

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



72.5032, 88.9076, 83.8606



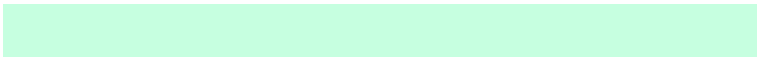
75.5773, 67.3060, 83.1365

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.



98.5104, 88.9076, 90.6234



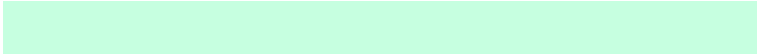
72.5032, 88.9076, 83.8606



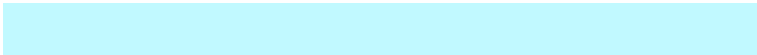
93.3552, 88.9076, 129.7920

Square

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



72.5032, 88.9076, 83.8606



79.8542, 88.9076, 137.6271



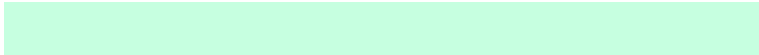
97.7610, 88.9076, 111.0178



89.3309, 88.9076, 64.9773

Rectangle

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



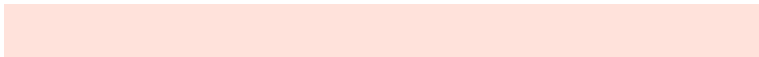
72.5032, 88.9076, 83.8606



73.2990, 88.9076, 117.0320



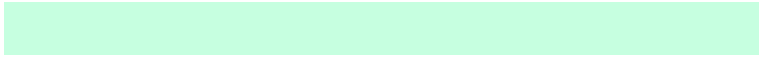
97.7610, 88.9076, 111.0178



96.7965, 88.9076, 79.0546

Sweetspot

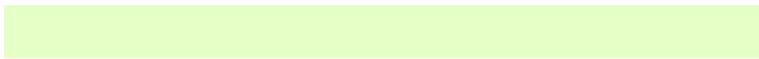
The Sweet Spot groups the original color and five complimentary colors.



72.5040, 88.9079, 83.8620



87.2613, 96.1608, 100.5822



78.3784, 92.3131, 67.1143



18.5405, 20.5149, 21.3796



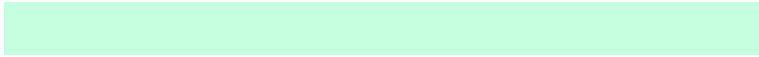
0.0000, 0.0000, 0.0000



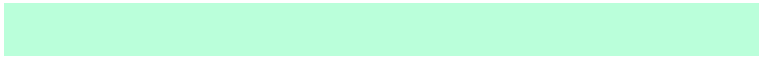
20.3446, 21.4041, 23.3091

Same Dimension

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



72.5040, 88.9079, 83.8620



68.6431, 87.0167, 79.2039



76.6436, 90.5638, 105.6612



18.1161, 20.3060, 20.9146



20.4155, 38.0628, 15.3393



2.0421, 3.7278, 1.7795

Inverse Universe

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



75.5773, 67.3060, 83.1365



72.2300, 61.8008, 78.3541



71.9596, 65.8590, 64.0862



18.4226, 18.1524, 20.8426



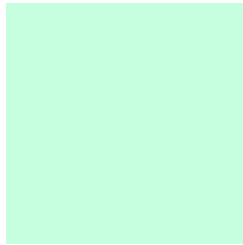
24.0480, 12.1085, 14.1689



2.3966, 1.2010, 1.6700

Previews

White Background



This preview shows how the XYZ color 72.5032, 88.9076, 83.8606 looks on a white background.

Color Contrast Check

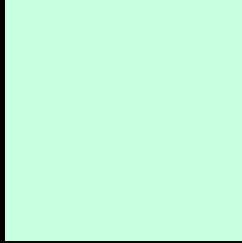
Large Text (above 18pt) WCAG AA × Fail

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 72.5032, 88.9076, 83.8606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

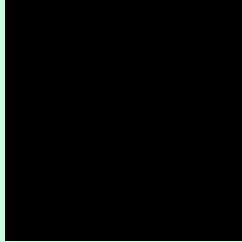
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

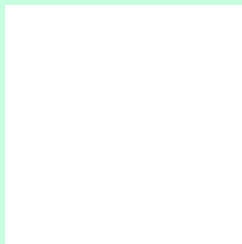
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.5032, 88.9076, 83.8606

Background



This preview shows how black text looks on a background with the XYZ color 72.5032, 88.9076, 83.8606.



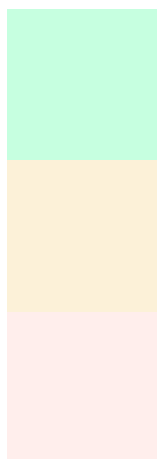
This preview shows how white text looks on a background with the XYZ color 72.5032, 88.9076,

83.8606.

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

72.5032, 88.9076, 83.8606

Protanopia

83.9949, 88.5639, 77.6333

Deuteranopia

86.9549, 88.4652, 91.8494



Tritanopia

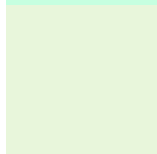
81.7537, 88.5324, 107.3873

Trichromacy



Original Color

72.5032, 88.9076, 83.8606



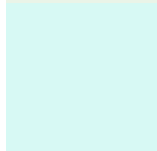
Protanomaly

79.0207, 88.1818, 79.8738



Deuteranomaly

80.8479, 88.0200, 89.0723



Tritanomaly

78.2291, 88.7301, 98.5915

Monochromacy



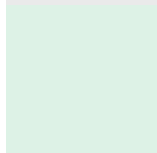
Original Color

72.5032, 88.9076, 83.8606



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.8539, 84.5896, 87.1924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.5032, 88.9076, 83.8606 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(198, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 224)  
}
```

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(198, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 224) }
```

Border

The CSS property to change the border of an element to XYZ 72.5032, 88.9076, 83.8606 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(198, 255, 224) }
```


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

```
.border{ border-color:rgb(198, 255, 224) }
```

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

Here you see how a box with a 4 pixel rgb(198, 255, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 72.5032, 88.9076, 83.8606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 224) }
```

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

```
.background{ background-color: rgb(198,  
255, 224) }
```

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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