

Converting Colors

XYZ(76.5881, 100.0000,
80.9538)

Have a look what the booklet for
XYZ(76.5881, 100.0000, 80.9538)
contains.

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Color

**XYZ(70.5325, 87.9991,
78.9137)**

Conversions

Conversions Part 1

Format	Color
Hex	C2FFD9
RGB	194, 255, 217
RGB Percent	76%, 100%, 85%
CMY	0.2392, 0.0000, 0.1490
CMYK	0.24, 0.00, 0.15, 0.00
HSL	143°, 100%, 88%
HSV	143°, 24%, 100%
XYZ	70.5325, 87.9991, 78.9137
YIQ	232.4290, -24.1580, -24.7500

Conversions

Conversions Part 2

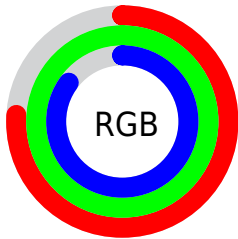
Format	Color
RYB	194, 238, 255
Decimal	12779481
CIELab	95.16, -26.46, 12.01
CIELCh	95, 29.061, 155.598
Yxy	87.9991, 0.2970, 0.3706
Android (android.graphics.Color)	4290969561 (0xFFC2FFD9)
YUV	232.4290, -7.6065, -33.7022
Hunter-Lab	93.8078, -29.9526, 15.7891

Details

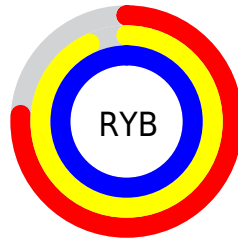
The XYZ color **70.5325, 87.9991, 78.9137** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.0976, 65.6705, 85.0613**, and the grayscale version is **77.0910, 81.1058, 88.3242**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **37.3631, 48.4858, 41.5719** is the 20% darker color. If you saturate the color by 10%, you get **62.5719, 84.1226, 68.2700**, and if you desaturate by 10%, it is **79.8164, 92.5347, 90.6603**.

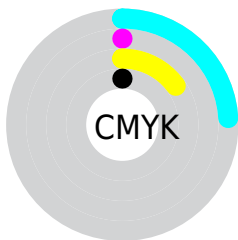
Distribution



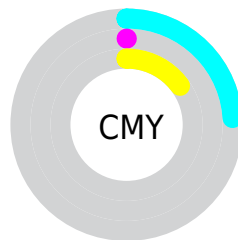
- Red (76%)
- Green (100%)
- Blue (85%)



- Red (76%)
- Yellow (93%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.5325, 87.9991, 78.9137 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 70.5325, 87.9991, 78.9137 by changing the saturation by 10% instead.


 70.5325, 87.9991,
78.9137

 70.5325, 87.9991,
78.9137


451.6548,
521.5003, 510.8742

 52.2419, 66.3223,
58.3040


 118.9900,
144.5559, 133.6349

 37.4230, 48.5341,
41.6367


149.8876,
180.2047, 168.5835

 25.7103, 34.2500,
28.4935


185.7182,
221.2797, 209.1487

 16.7386, 23.0858,
18.4557

226.8473,
268.1652, 255.7492

 10.1425, 14.6568,
11.1049

273.6401,
321.2456, 308.8035

 5.5565, 8.5789,
6.0224

326.4621,

 2.6154, 4.4676,

380.9053, 368.7300

2.7897

385.6785,
447.5287, 435.9474

■ 0.9538, 1.9384,
0.9883

■ 0.0000, 0.5713,
0.0000

■ 70.5325, 87.9991,
78.9137

■ 70.5325, 87.9991,
78.9137

■ 62.5719, 84.1226,
68.2700

■ 79.8164, 92.5347,
90.6603

■ 55.8695, 80.8724,
58.6929

■ 90.4801, 97.7581,
103.5364

■ 50.3578, 78.2144,
50.1501

95.0500, 100.0000,
108.9000

■ 45.9619, 76.1106,
42.6061

■ 42.5976, 74.5185,
36.0232

■ 40.1684, 73.3890,
30.3611

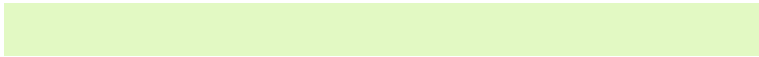
■ 38.5568, 72.6624,
25.5765

■ 37.8783, 72.3673,
23.0748

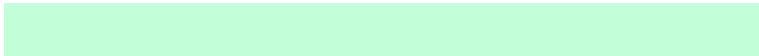
Harmonies

Analogous

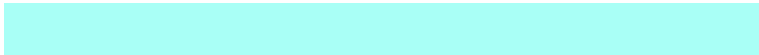
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0907, 87.9991, 64.5655



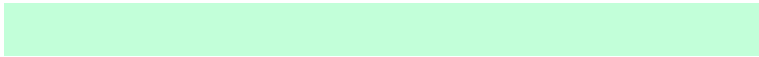
70.5325, 87.9991, 78.9137



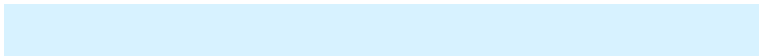
69.3900, 87.9991, 100.1311

Triad

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



70.5325, 87.9991, 78.9137



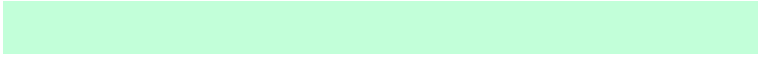
85.1339, 87.9991, 146.0694



96.6356, 87.9991, 72.6183

Complementary

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



70.5325, 87.9991, 78.9137



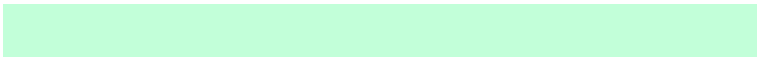
75.0976, 65.6705, 85.0613

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.



99.7195, 87.9991, 91.6268



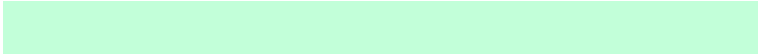
70.5325, 87.9991, 78.9137



92.8158, 87.9991, 135.8058

Square

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



70.5325, 87.9991, 78.9137



77.5093, 87.9991, 141.2416



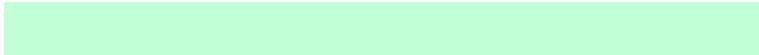
98.2795, 87.9991, 114.9744



90.0868, 87.9991, 61.3524

Rectangle

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



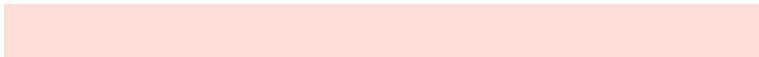
70.5325, 87.9991, 78.9137



70.6524, 87.9991, 115.9083



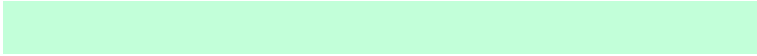
98.2795, 87.9991, 114.9744



98.1301, 87.9991, 78.1913

Sweetspot

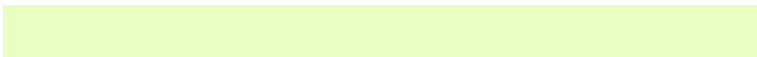
The Sweet Spot groups the original color and five complimentary colors.



70.5332, 87.9994, 78.9151



87.0462, 96.0748, 99.4494



78.9827, 92.6772, 64.7656



18.4908, 20.4950, 21.1175



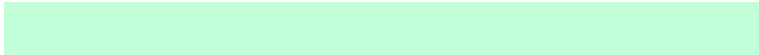
0.0000, 0.0000, 0.0000



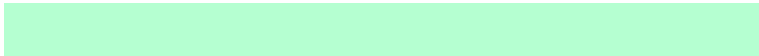
20.3446, 21.4041, 23.3091

Same Dimension

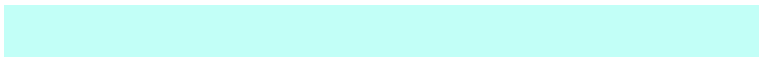
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.5332, 87.9994, 78.9151



66.3282, 85.9500, 73.3728



74.7765, 89.6967, 101.2601



18.0549, 20.2815, 20.5920



19.8588, 37.8401, 12.4075



1.9846, 3.7048, 1.4767

Inverse Universe

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



75.0976, 65.6705, 85.0613



71.6552, 59.8805, 80.5385



71.2088, 64.1150, 64.5832



18.4852, 18.1774, 21.1724



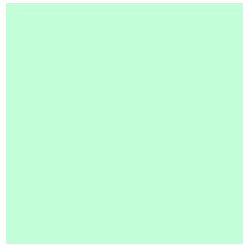
24.8868, 12.4440, 18.5860



2.4763, 1.2329, 2.0894

Previews

White Background



This preview shows how the XYZ color 70.5325, 87.9991, 78.9137 looks on a white background.

Color Contrast Check

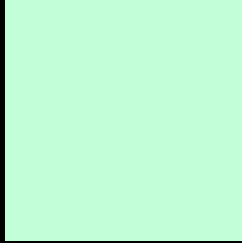
Large Text (above 18pt) WCAG AA × Fail

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 70.5325, 87.9991, 78.9137 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

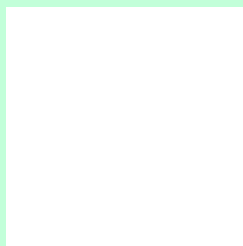
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.5325, 87.9991, 78.9137

Background



This preview shows how black text looks on a background with the XYZ color 70.5325, 87.9991, 78.9137.

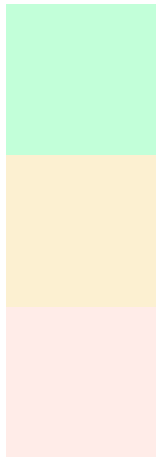


This preview shows how white text looks on a background with the XYZ color 70.5325, 87.9991,

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

70.5325, 87.9991, 78.9137

Protanopia

82.8136, 87.6191, 72.8690

Deuteranopia

85.8009, 87.0771, 88.6293



Tritanopia

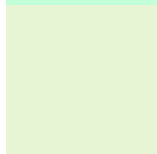
80.5249, 87.4510, 107.2434

Trichromacy



Original Color

70.5325, 87.9991, 78.9137



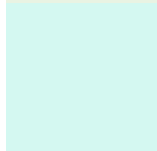
Protanomaly

77.4911, 87.0472, 75.0049



Deuteranomaly

79.5200, 86.9709, 85.2690



Tritanomaly

76.5960, 87.4827, 96.0679

Monochromacy



Original Color

70.5325, 87.9991, 78.9137



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.9387, 82.7717, 84.7526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5325, 87.9991, 78.9137 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(194, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(194, 255, 217)  
}
```

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(194, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 70.5325, 87.9991, 78.9137 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(194, 255, 217) }
```


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

```
.border{ border-color:rgb(194, 255, 217) }
```

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

Here you see how a box with a 4 pixel rgb(194, 255, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(194, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5325, 87.9991, 78.9137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 255, 217) }
```

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

```
.background{ background-color: rgb(194,  
255, 217) }
```

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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