

Converting Colors

XYZ(70.1205, 87.8283, 77.0116)

Have a look what the booklet for
XYZ(70.1205, 87.8283, 77.0116)
contains.

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Color

**XYZ(70.1457, 87.8444,
76.8769)**

Conversions

Conversions Part 1

Format	Color
Hex	C2FFD6
RGB	194, 255, 214
RGB Percent	76%, 100%, 84%
CMY	0.2392, 0.0000, 0.1608
CMYK	0.24, 0.00, 0.16, 0.00
HSL	140°, 100%, 88%
HSV	140°, 24%, 100%
XYZ	70.1457, 87.8444, 76.8769
YIQ	232.0870, -23.1950, -25.6830

Conversions

Conversions Part 2

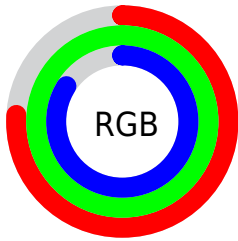
Format	Color
RYB	194, 240, 255
Decimal	12779478
CIELab	95.10, -27.01, 13.45
CIELCh	95, 30.177, 153.526
Yxy	87.8444, 0.2987, 0.3740
Android (android.graphics.Color)	4290969558 (0xFFC2FFD6)
YUV	232.0870, -8.9169, -33.4023
Hunter-Lab	93.7253, -30.4268, 16.9759

Details

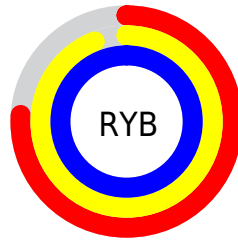
The XYZ color **70.1457, 87.8444, 76.8769** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.5275, 65.8424, 87.3250**, and the grayscale version is **76.8436, 80.8454, 88.0407**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **37.0996, 48.3803, 40.1839** is the 20% darker color. If you saturate the color by 10%, you get **62.0778, 83.9249, 65.6684**, and if you desaturate by 10%, it is **79.5683, 92.4355, 89.3539**.

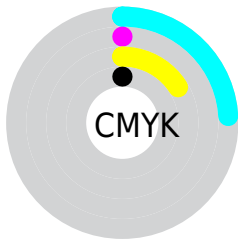
Distribution



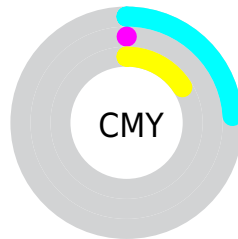
- Red (76%)
- Green (100%)
- Blue (84%)



- Red (76%)
- Yellow (94%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)



- Cyan (24%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.1457, 87.8444, 76.8769 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 70.1457, 87.8444, 76.8769 by changing the saturation by 10% instead.


 70.1457, 87.8444,
76.8769

 70.1457, 87.8444,
76.8769


450.3199,
520.9935, 503.7707

 51.9253, 66.1942,
56.6409


 118.4416,
144.3405, 130.7371

 37.1696, 48.4301,
40.3096


149.2480,
179.9552, 165.1984

 25.5131, 34.1676,
27.4644


184.9803,
220.9936, 205.2385

 16.5905, 23.0224,
17.6868

226.0040,
267.8399, 251.2761

 10.0365, 14.6100,
10.5582

272.6845,
320.8787, 303.7295

 5.4856, 8.5462,
5.6602

325.3870,

 2.5726, 4.4464,

380.4943, 363.0174

2.5742

384.4770,
447.0711, 429.5583

■ 0.9320, 1.9263,
0.8791

■ 0.0000, 0.5641,
0.0000

■ 70.1457, 87.8444,
76.8769

■ 70.1457, 87.8444,
76.8769

■ 62.0778, 83.9249,
65.6684

■ 79.5683, 92.4355,
89.3539

■ 55.2981, 80.6438,
55.6841

■ 90.4035, 97.7275,
103.1333

■ 49.7374, 77.9662,
46.8833

95.0500, 100.0000,
108.9000

■ 45.3191, 75.8535,
39.2215

■ 41.9573, 74.2624,
32.6510

■ 39.5530, 73.1429,
27.1209

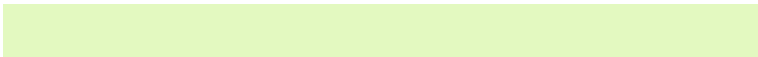
■ 37.9870, 72.4345,
22.5757

■ 37.3450, 72.1540,
20.2666

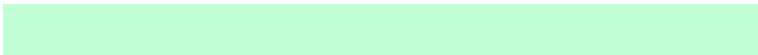
Harmonies

Analogous

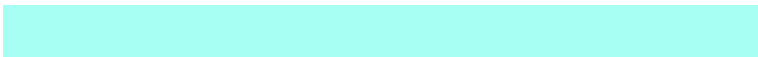
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0750, 87.8444, 62.6941



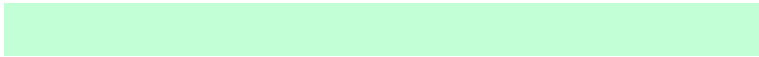
70.1457, 87.8444, 76.8769



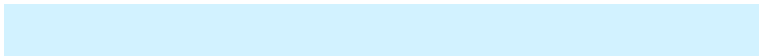
68.7085, 87.8444, 98.4551

Triad

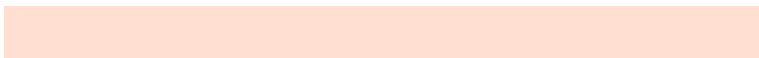
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.1457, 87.8444, 76.8769



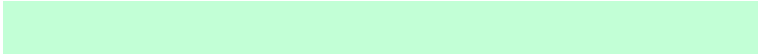
84.4681, 87.8444, 148.2368



97.3559, 87.8444, 72.7885

Complementary

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



70.1457, 87.8444, 76.8769



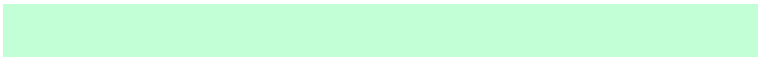
75.5275, 65.8424, 87.3250

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.



100.2605, 87.8444, 92.8941



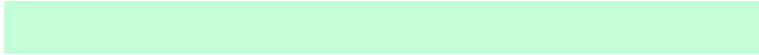
70.1457, 87.8444, 76.8769



92.5188, 87.8444, 138.5004

Square

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



70.1457, 87.8444, 76.8769



76.6525, 87.8444, 142.0897



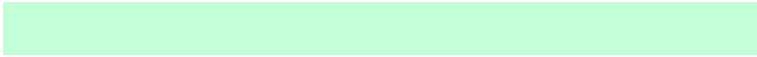
98.4354, 87.8444, 117.2492



90.7299, 87.8444, 60.6194

Rectangle

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



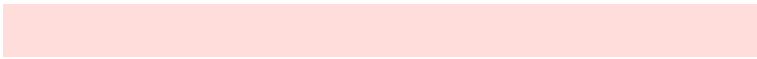
70.1457, 87.8444, 76.8769



69.8406, 87.8444, 114.8516



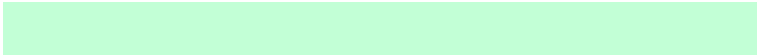
98.4354, 87.8444, 117.2492



98.8189, 87.8444, 78.7134

Sweetspot

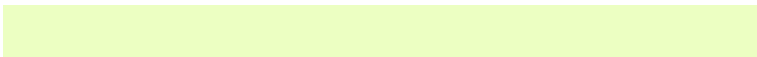
The Sweet Spot groups the original color and five complimentary colors.



70.1464, 87.8447, 76.8783



86.9132, 96.0216, 98.7494



79.9850, 93.1939, 64.8124



18.4600, 20.4827, 20.9557



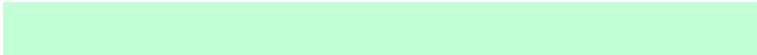
0.0000, 0.0000, 0.0000



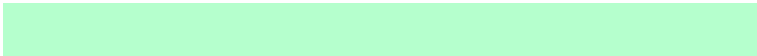
20.3446, 21.4041, 23.3091

Same Dimension

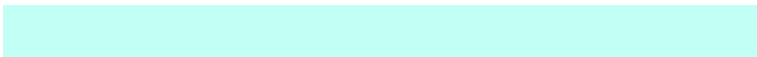
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.1464, 87.8447, 76.8783



65.8831, 85.7719, 71.0290



74.3099, 89.5101, 98.8029



18.0171, 20.2664, 20.3931



19.5744, 37.7264, 10.9102



1.9538, 3.6924, 1.3145

Inverse Universe

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



75.5275, 65.8424, 87.3250



72.1630, 60.0837, 83.2124



71.5739, 64.2610, 66.5058



18.5245, 18.1931, 21.3792



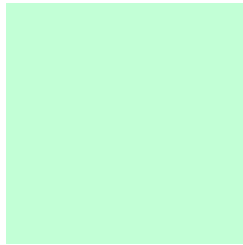
25.4809, 12.6816, 21.7144



2.5314, 1.2549, 2.3796

Previews

White Background



This preview shows how the XYZ color 70.1457, 87.8444, 76.8769 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 70.1457, 87.8444, 76.8769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

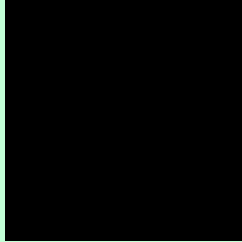
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

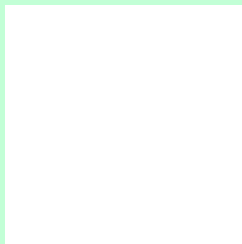
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.1457, 87.8444, 76.8769

Background



This preview shows how black text looks on a background with the XYZ color 70.1457, 87.8444, 76.8769.



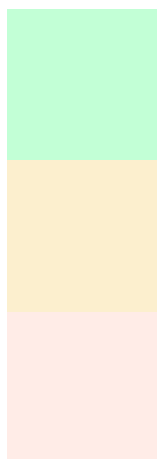
This preview shows how white text looks on a background with the XYZ color 70.1457, 87.8444,

76.8769.

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

70.1457, 87.8444, 76.8769

Protanopia

82.1520, 86.8847, 70.8331

Deuteranopia

85.6593, 87.0204, 87.8832



Tritanopia

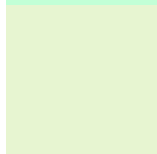
80.5249, 87.4510, 107.2434

Trichromacy



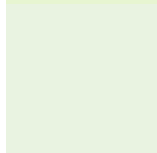
Original Color

70.1457, 87.8444, 76.8769



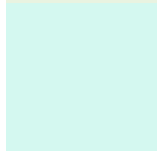
Protanomaly

77.1160, 86.8972, 73.0300



Deuteranomaly

79.2455, 86.8611, 83.8233



Tritanomaly

76.4470, 87.4231, 95.2832

Monochromacy



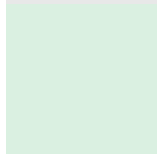
Original Color

70.1457, 87.8444, 76.8769



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.6641, 82.6618, 83.3070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1457, 87.8444, 76.8769 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(194, 255, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 214) }
```

Border

The CSS property to change the border of an element to XYZ 70.1457, 87.8444, 76.8769 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, 214) }
```


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

```
.border{ border-color:rgb(194, 255, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(194, 255,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1457, 87.8444, 76.8769 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, 214) }
```

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

```
.background{ background-color: rgb(194,  
255, 214) }
```

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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