

Converting Colors

XYZ(69.9900, 87.7762, 76.3248)

Have a look what the booklet for
XYZ(69.9900, 87.7762, 76.3248)
contains.

XYZ(70.0184, 87.7934, 76.2063)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.0184, 87.7934,
76.2063)**

Conversions

Conversions Part 1

Format	Color
Hex	C2FFD5
RGB	194, 255, 213
RGB Percent	76%, 100%, 84%
CMY	0.2392, 0.0000, 0.1647
CMYK	0.24, 0.00, 0.16, 0.00
HSL	139°, 100%, 88%
HSV	139°, 24%, 100%
XYZ	70.0184, 87.7934, 76.2063
YIQ	231.9730, -22.8740, -25.9940

Conversions

Conversions Part 2

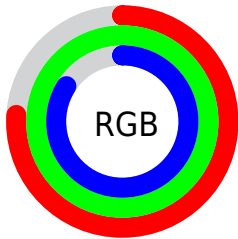
Format	Color
RYB	194, 241, 255
Decimal	12779477
CIELab	95.07, -27.19, 13.94
CIELCh	95, 30.556, 152.868
Yxy	87.7934, 0.2992, 0.3752
Android (android.graphics.Color)	4290969557 (0xFFC2FFD5)
YUV	231.9730, -9.3537, -33.3023
Hunter-Lab	93.6981, -30.5829, 17.3671

Details

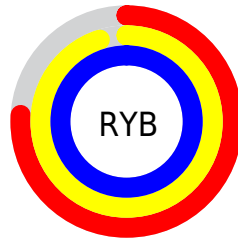
The XYZ color **70.0184, 87.7934, 76.2063** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.6725, 65.9006, 88.0884**, and the grayscale version is **76.7613, 80.7589, 87.9464**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **37.0131, 48.3458, 39.7286** is the 20% darker color. If you saturate the color by 10%, you get **61.9163, 83.8603, 64.8173**, and if you desaturate by 10%, it is **79.4863, 92.4027, 88.9214**.

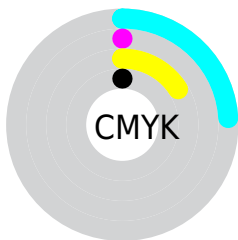
Distribution



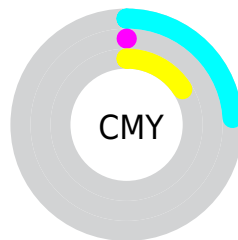
- Red (76%)
- Green (100%)
- Blue (84%)



- Red (76%)
- Yellow (95%)
- 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 70.0184, 87.7934, 76.2063 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 70.0184, 87.7934, 76.2063 by changing the saturation by 10% instead.


 70.0184, 87.7934,
76.2063

 70.0184, 87.7934,
76.2063


449.8800,
520.8264, 501.4192

 51.8212, 66.1520,
56.0940

 118.2611,
144.2695, 129.7812

 37.0863, 48.3958,
39.8738

149.0373,
179.8730, 164.0810

 25.4483, 34.1404,
27.1271


184.7373,
220.8992, 203.9470

 16.5418, 23.0015,
17.4354

225.7263,
267.7327, 249.7977

 10.0017, 14.5946,
10.3802

272.3697,
320.7577, 302.0518

 5.4623, 8.5354,
5.5429

325.0329,

 2.5585, 4.4394,

380.3588, 361.1277

2.5049

384.0812,
446.9202, 427.4440

■ 0.9249, 1.9223,
0.8428

■ 0.0000, 0.5617,
0.0000

■ 70.0184, 87.7934,
76.2063

■ 70.0184, 87.7934,
76.2063

■ 61.9163, 83.8603,
64.8173

■ 79.4863, 92.4027,
88.9214

■ 55.1127, 80.5697,
54.7073

■ 90.3782, 97.7174,
102.9994

■ 49.5379, 77.8864,
45.8324

■ 95.0500, 100.0000,
108.9000

■ 45.1146, 75.7717,
38.1445

■ 41.7563, 74.1820,
31.5925

■ 39.3632, 73.0669,
26.1213

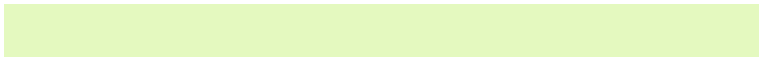
■ 37.8151, 72.3658,
21.6708

■ 37.1870, 72.0908,
19.4343

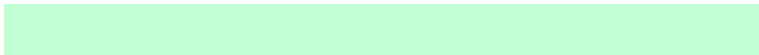
Harmonies

Analogous

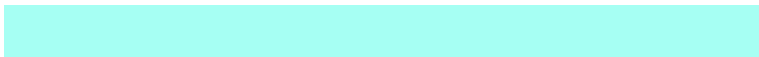
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0710, 87.7934, 62.0799



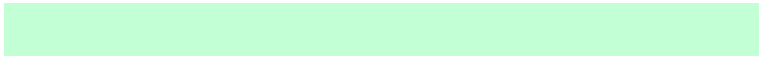
70.0184, 87.7934, 76.2063



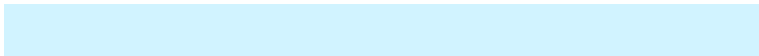
68.4834, 87.7934, 97.8997

Triad

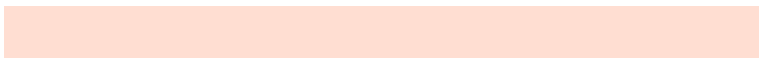
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0184, 87.7934, 76.2063



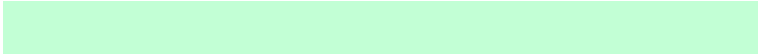
84.2469, 87.7934, 148.9615



97.5968, 87.7934, 72.8478

Complementary

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



70.0184, 87.7934, 76.2063



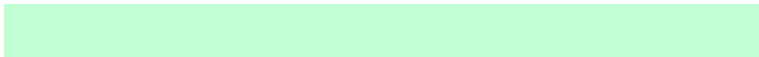
75.6725, 65.9006, 88.0884

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.



100.4409, 87.7934, 93.3210



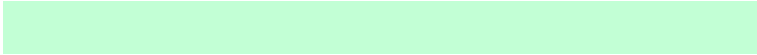
70.0184, 87.7934, 76.2063



92.4196, 87.7934, 139.4054

Square

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



70.0184, 87.7934, 76.2063



76.3687, 87.7934, 142.3702



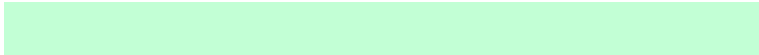
98.4868, 87.7934, 118.0147



90.9454, 87.7934, 60.3789

Rectangle

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



70.0184, 87.7934, 76.2063



69.5724, 87.7934, 114.4990



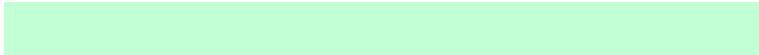
98.4868, 87.7934, 118.0147



99.0491, 87.7934, 78.8903

Sweetspot

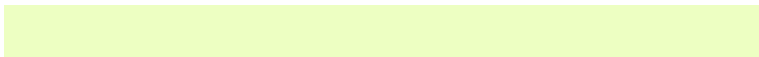
The Sweet Spot groups the original color and five complimentary colors.



70.0191, 87.7938, 76.2077



86.8691, 96.0039, 98.5168



80.3230, 93.3682, 64.8285



18.4498, 20.4786, 20.9019



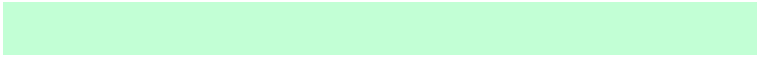
0.0000, 0.0000, 0.0000



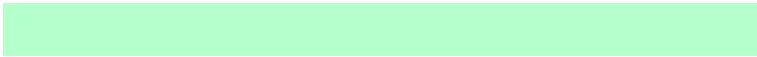
20.3446, 21.4041, 23.3091

Same Dimension

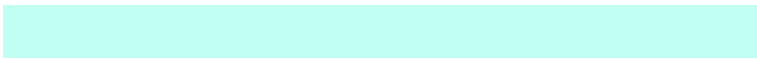
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0191, 87.7938, 76.2077



65.7370, 85.7135, 70.2596



74.1562, 89.4486, 97.9929



18.0046, 20.2614, 20.3271



19.4897, 37.6925, 10.4641



1.9443, 3.6887, 1.2647

Inverse Universe

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



75.6725, 65.9006, 88.0884



72.3346, 60.1523, 84.1163



71.6973, 64.3105, 67.1553



18.5377, 18.1984, 21.4484



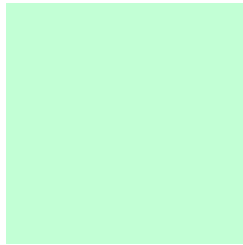
25.6916, 12.7659, 22.8244



2.5507, 1.2627, 2.4816

Previews

White Background



This preview shows how the XYZ color 70.0184, 87.7934, 76.2063 looks on a white background.

Color Contrast Check

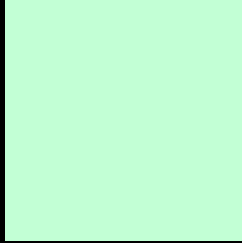
Large Text (above 18pt) WCAG AA × Fail

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 70.0184, 87.7934, 76.2063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

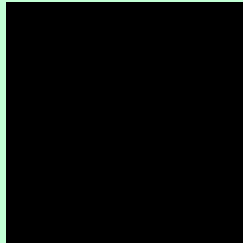
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

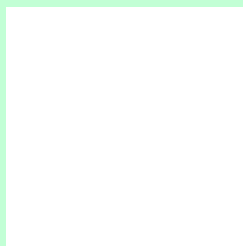
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0184, 87.7934, 76.2063

Background



This preview shows how black text looks on a background with the XYZ color 70.0184, 87.7934, 76.2063.

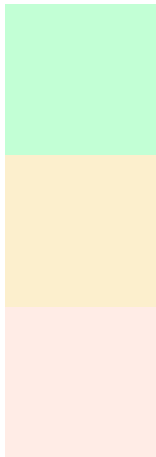


This preview shows how white text looks on a background with the XYZ color 70.0184, 87.7934,

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

70.0184, 87.7934, 76.2063

Protanopia

82.0308, 86.8362, 70.1952

Deuteranopia

85.5184, 86.9641, 87.1414



Tritanopia

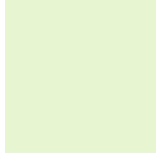
80.5249, 87.4510, 107.2434

Trichromacy



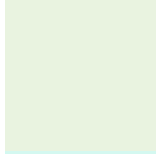
Original Color

70.0184, 87.7934, 76.2063



Protanomaly

76.9926, 86.8478, 72.3799



Deuteranomaly

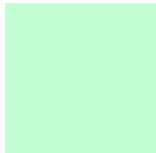
79.1094, 86.8066, 83.1069



Tritanomaly

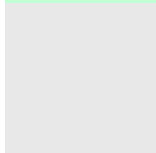
76.4470, 87.4231, 95.2832

Monochromacy



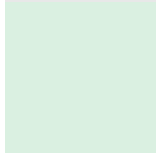
Original Color

70.0184, 87.7934, 76.2063



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 70.0184, 87.7934, 76.2063 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(194, 255, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 213) }
```

Border

The CSS property to change the border of an element to XYZ 70.0184, 87.7934, 76.2063 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, 213) }
```


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

```
.border{ border-color:rgb(194, 255, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(194, 255,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0184, 87.7934, 76.2063 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, 213) }
```

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

```
.background{ background-color: rgb(194,  
255, 213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor