

Converting Colors

XYZ(68.3070, 87.0364, 70.4697)

Have a look what the booklet for
XYZ(68.3070, 87.0364, 70.4697)
contains.

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Color

**XYZ(68.3973, 87.0861,
70.3311)**

Conversions

Conversions Part 1

Format	Color
Hex	C0FFCC
RGB	192, 255, 204
RGB Percent	75%, 100%, 80%
CMY	0.2471, 0.0000, 0.2000
CMYK	0.25, 0.00, 0.20, 0.00
HSL	131°, 100%, 88%
HSV	131°, 25%, 100%
XYZ	68.3973, 87.0861, 70.3311
YIQ	230.3490, -21.1770, -29.2170

Conversions

Conversions Part 2

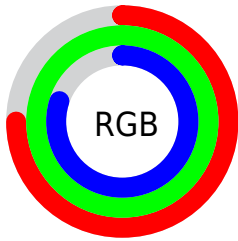
Format	Color
RYB	192, 245, 255
Decimal	12648396
CIELab	94.77, -29.42, 18.11
CIELCh	95, 34.542, 148.389
Yxy	87.0861, 0.3029, 0.3857
Android (android.graphics.Color)	4290838476 (0xFFC0FFCC)
YUV	230.3490, -12.9901, -33.6321
Hunter-Lab	93.3199, -32.4813, 20.6397

Details

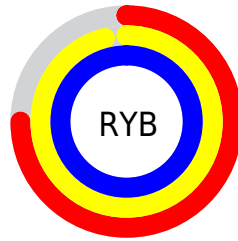
The XYZ color **68.3973, 87.0861, 70.3311** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.2675, 65.4310, 93.4033**, and the grayscale version is **75.5764, 79.5122, 86.5888**.

A 20% lighter version of the original color is **92.8769, 98.8797, 108.7983**, and **36.0156, 47.9085, 36.2032** is the 20% darker color. If you saturate the color by 10%, you get **60.1760, 83.1152, 57.8675**, and if you desaturate by 10%, it is **78.0667, 91.7656, 84.5782**.

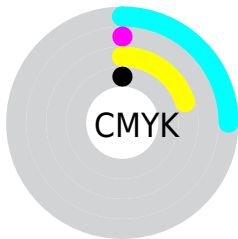
Distribution



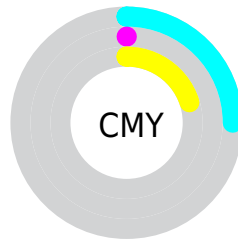
- Red (75%)
- Green (100%)
- Blue (80%)



- Red (75%)
- Yellow (96%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.3973, 87.0861, 70.3311 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 68.3973, 87.0861, 70.3311 by changing the saturation by 10% instead.


 68.3973, 87.0861,
70.3311

 68.3973, 87.0861,
70.3311


444.2571,
518.5057, 480.5322

 50.4959, 65.5665,
51.3180

 115.9591,
143.2841, 121.3663

 36.0270, 47.9206,
36.0833


146.3502,
178.7313, 154.2256

 24.6252, 33.7640,
24.2083


181.6353,
219.5898, 192.5374

 15.9253, 22.7123,
15.2746

222.1796,
266.2440, 236.7201

 9.5618, 14.3812,
8.8636

268.3486,
319.0783, 287.1924

 5.1694, 8.3863,
4.5567

320.5076,

 2.3828, 4.3431,

378.4771, 344.3729

1.9355

379.0220,
444.8248, 408.6799

■ 0.8365, 1.8673,
0.5152

■ 0.0000, 0.5286,
0.0000

■ 68.3973, 87.0861,
70.3311

■ 68.3973, 87.0861,
70.3311

■ 60.1760, 83.1152,
57.8675

■ 78.0667, 91.7656,
84.5782

■ 53.3303, 79.8171,
47.1130

■ 89.2480, 97.1851,
100.6709

■ 47.7845, 77.1542,
37.9943

95.0500, 100.0000,
108.9000

■ 43.4544, 75.0848,
30.4309

■ 40.2458, 73.5623,
24.3357

■ 38.0502, 72.5327,
19.6127

■ 36.7360, 71.9305,
16.1544

■ 36.3054, 71.7382,
14.7923

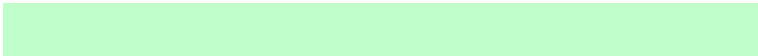
Harmonies

Analogous

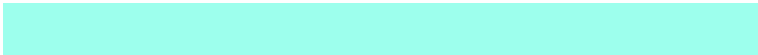
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.5221, 87.0861, 56.3807



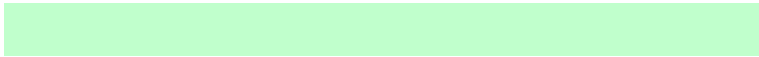
68.3973, 87.0861, 70.3311



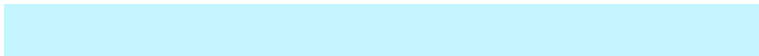
66.0830, 87.0861, 93.3827

Triad

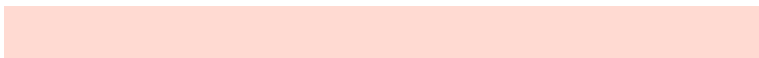
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.3973, 87.0861, 70.3311



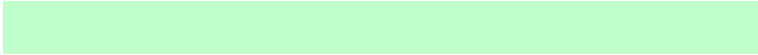
82.2687, 87.0861, 156.1068



99.6036, 87.0861, 72.4042

Complementary

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



68.3973, 87.0861, 70.3311



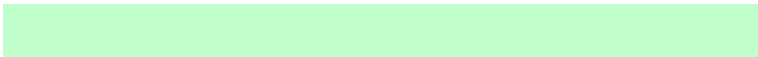
76.2675, 65.4310, 93.4033

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.



102.0595, 87.0861, 96.2759



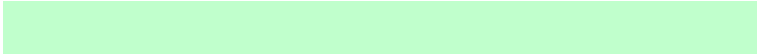
68.3973, 87.0861, 70.3311



91.6109, 87.0861, 147.6658

Square

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



68.3973, 87.0861, 70.3311



73.7094, 87.0861, 145.7308



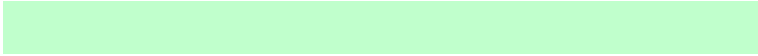
99.0332, 87.0861, 124.4255



92.5502, 87.0861, 57.4098

Rectangle

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



68.3973, 87.0861, 70.3311



66.8694, 87.0861, 111.9954



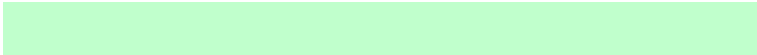
99.0332, 87.0861, 124.4255



101.0165, 87.0861, 79.5005

Sweetspot

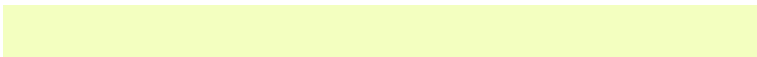
The Sweet Spot groups the original color and five complimentary colors.



68.3980, 87.0864, 70.3325



86.5452, 95.8744, 96.8115



82.3923, 94.4607, 63.7603



18.3750, 20.4487, 20.5079



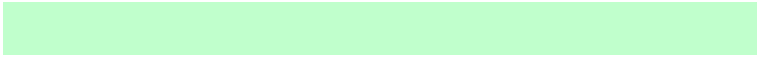
0.0000, 0.0000, 0.0000



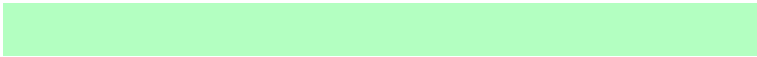
20.3446, 21.4041, 23.3091

Same Dimension

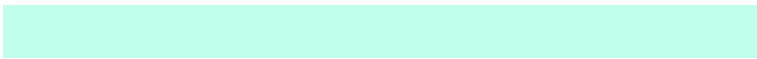
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.3980, 87.0864, 70.3325



63.8688, 84.8977, 63.5151



72.5013, 88.7277, 91.9405



17.9129, 20.2247, 19.8444



19.0104, 37.5008, 7.9402



1.8866, 3.6656, 0.9605

Inverse Universe

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



76.2675, 65.4310, 93.4033



73.0518, 59.6168, 90.4284



71.9675, 63.7109, 70.7593



18.6355, 18.2375, 21.9639



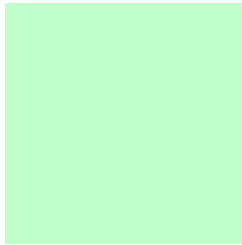
27.4500, 13.4693, 32.0837



2.7091, 1.3260, 3.3157

Previews

White Background



This preview shows how the XYZ color 68.3973, 87.0861, 70.3311 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 68.3973, 87.0861, 70.3311 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

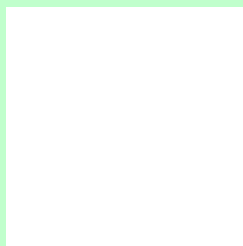
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.3973, 87.0861, 70.3311

Background



This preview shows how black text looks on a background with the XYZ color 68.3973, 87.0861, 70.3311.



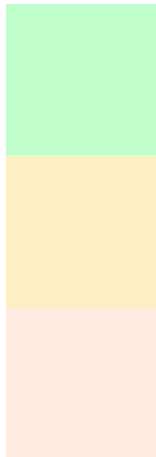
This preview shows how white text looks on a background with the XYZ color 68.3973, 87.0861,

70.3311.

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

68.3973, 87.0861, 70.3311

Protanopia

81.3383, 86.6012, 64.6533

Deuteranopia

84.6758, 86.1676, 84.1206



Tritanopia

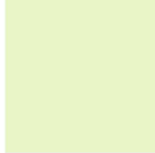
79.6158, 86.5368, 107.1148

Trichromacy



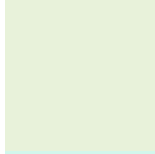
Original Color

68.3973, 87.0861, 70.3311



Protanomaly

75.9162, 86.4173, 66.7118



Deuteranomaly

77.6857, 85.7220, 78.7812



Tritanomaly

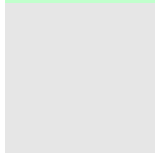
74.9794, 86.2793, 92.0586

Monochromacy



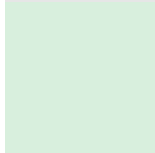
Original Color

68.3973, 87.0861, 70.3311



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.2365, 81.5524, 80.3405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3973, 87.0861, 70.3311 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(192, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(192, 255, 204)  
}
```

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(192, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 68.3973, 87.0861, 70.3311 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(192, 255, 204) }
```


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

```
.border{ border-color:rgb(192, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(192, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3973, 87.0861, 70.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 255, 204) }
```

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

```
.background{ background-color: rgb(192,  
255, 204) }
```

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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