

Converting Colors

XYZ(116.4333, 178.3396,
83.0814)

Have a look what the booklet for
XYZ(116.4333, 178.3396, 83.0814)
contains.

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Color

**XYZ(71.6389, 88.8119,
68.0102)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFFC8
RGB	206, 255, 200
RGB Percent	81%, 100%, 78%
CMY	0.1922, 0.0000, 0.2157
CMYK	0.19, 0.00, 0.22, 0.00
HSL	113°, 100%, 89%
HSV	113°, 22%, 100%
XYZ	71.6389, 88.8119, 68.0102
YIQ	234.0790, -11.5490, -27.4930

Conversions

Conversions Part 2

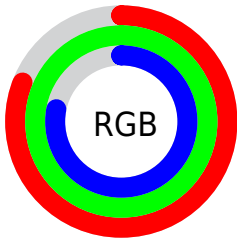
Format	Color
R _Y B	200, 255, 249
Decimal	13565896
CIE Lab	95.50, -25.58, 21.28
CIE LCh	96, 33.276, 140.242
Yxy	88.8119, 0.3136, 0.3887
Android (android.graphics.Color)	4291755976 (0xFFCEFFC8)
YUV	234.0790, -16.8009, -24.6253
Hunter-Lab	94.2401, -29.2290, 23.1802

Details

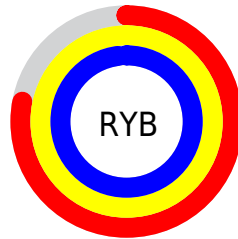
The XYZ color **71.6389, 88.8119, 68.0102** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.7720, 68.6695, 103.7632**, and the grayscale version is **78.3956, 82.4782, 89.8188**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.1449, 49.0428, 34.6499** is the 20% darker color. If you saturate the color by 10%, you get **63.0448, 84.6976, 53.3270**, and if you desaturate by 10%, it is **81.6430, 93.5956, 85.3566**.

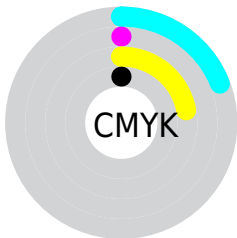
Distribution



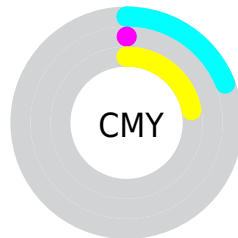
- Red (81%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (98%)



- Cyan (19%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)



- Cyan (19%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6389, 88.8119, 68.0102 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 71.6389, 88.8119, 68.0102 by changing the saturation by 10% instead.

71.6389, 88.8119,
68.0102

71.6389, 88.8119,
68.0102

455.4609,
524.1584, 472.1312

53.1482, 66.9957,
49.4393

120.5566,
145.6870, 118.0211

38.1490, 49.0811,
34.6000

151.7142,
181.5146, 150.2981

26.2761, 34.6838,
23.0739

187.8249,
222.7815, 187.9810

17.1641, 23.4194,
14.4422

229.2539,
269.8720, 231.4882

10.4476, 14.9035,
8.2866

276.3667,
323.1705, 281.2383

5.7612, 8.7517,
4.1885

329.5286,

2.7397, 4.5796,

383.0615, 337.6498

1.7293

389.1048,
449.9293, 401.1412

■ 1.0177, 2.0028,
0.3807

■ 0.0000, 0.6091,
0.0000

■ 71.6389, 88.8119,
68.0102

■ 71.6389, 88.8119,
68.0102

■ 63.0448, 84.6976,
53.3270

■ 81.6430, 93.5956,
85.3566

■ 55.7953, 81.2219,
41.1713

■ 93.1147, 99.0759,
105.4845

■ 49.8224, 78.3528,
31.4018

■ 95.0500, 100.0000,
108.9000

■ 45.0517, 76.0554,
23.8615

■ 41.4007, 74.2909,
18.3747

■ 38.7766, 73.0159,
14.7393

■ 37.0710, 72.1797,
12.7124

■ 36.2338, 71.7643,
11.9422

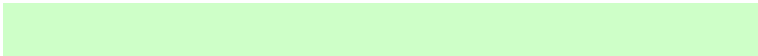
Harmonies

Analogous

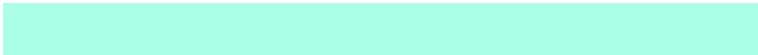
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4910, 88.8119, 56.8247



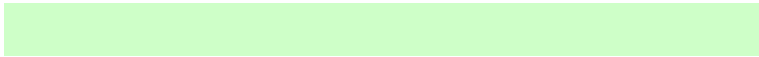
71.6389, 88.8119, 68.0102



68.2855, 88.8119, 88.4373

Triad

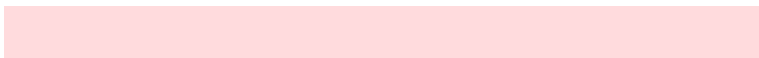
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.6389, 88.8119, 68.0102



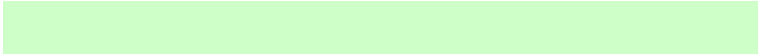
81.4760, 88.8119, 155.1112



101.9555, 88.8119, 80.3475

Complementary

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



71.6389, 88.8119, 68.0102



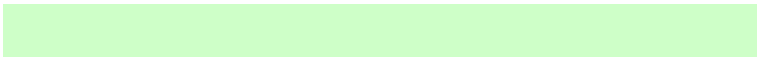
77.7720, 68.6695, 103.7632

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.



102.8988, 88.8119, 105.4643



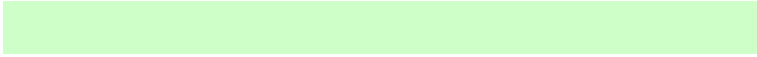
71.6389, 88.8119, 68.0102



90.6258, 88.8119, 151.8801

Square

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



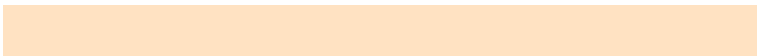
71.6389, 88.8119, 68.0102



73.6887, 88.8119, 140.6679



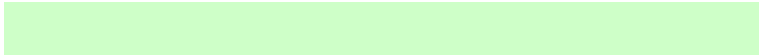
98.6220, 88.8119, 132.5022



96.1305, 88.8119, 63.0074

Rectangle

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



71.6389, 88.8119, 68.0102



68.3078, 88.8119, 105.9068



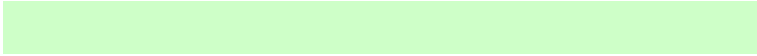
98.6220, 88.8119, 132.5022



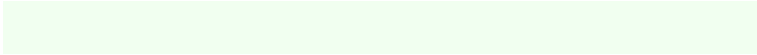
102.8695, 88.8119, 88.0449

Sweetspot

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



71.6395, 88.8122, 68.0116



87.8453, 96.5592, 96.2125



85.4127, 92.9245, 68.0794



18.6417, 20.5908, 20.3111



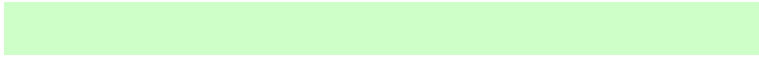
0.0000, 0.0000, 0.0000



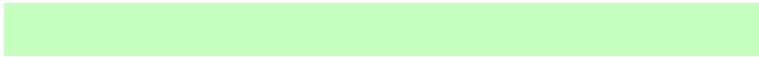
20.3446, 21.4041, 23.3091

Same Dimension

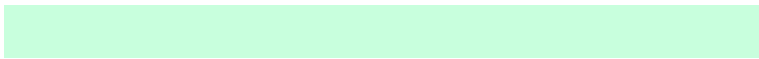
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.6395, 88.8122, 68.0116



67.6600, 86.9077, 61.1824



72.6424, 89.0246, 81.8206



17.9554, 20.2629, 19.1091



18.9917, 37.5287, 6.2428



1.9064, 3.6835, 0.6105

Inverse Universe

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



77.7720, 68.6695, 103.7632



74.8124, 63.4004, 102.9022



76.7342, 68.5053, 86.9583



18.5860, 18.1938, 22.7821



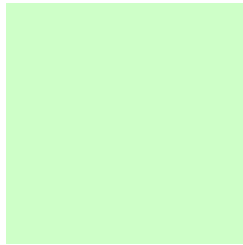
26.0933, 12.3620, 50.4454



2.5941, 1.2312, 4.9142

Previews

White Background



This preview shows how the XYZ color 71.6389, 88.8119, 68.0102 looks on a white background.

Color Contrast Check

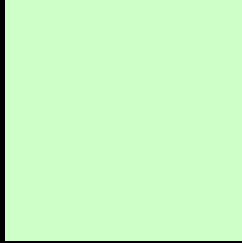
Large Text (above 18pt) WCAG AA × Fail

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 71.6389, 88.8119, 68.0102 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

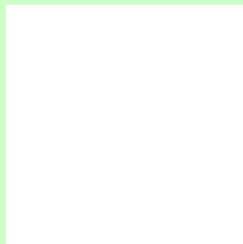
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.6389, 88.8119, 68.0102

Background



This preview shows how black text looks on a background with the XYZ color 71.6389, 88.8119, 68.0102.

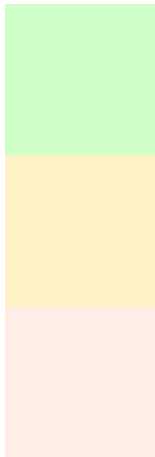


This preview shows how white text looks on a background with the XYZ color 71.6389, 88.8119,

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

71.6389, 88.8119, 68.0102

Protanopia

82.8883, 88.2478, 66.0909

Deuteranopia

85.9574, 88.0662, 86.5968



Tritanopia

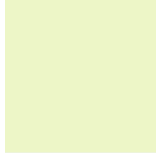
82.7138, 88.5794, 107.3458

Trichromacy



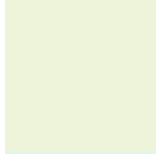
Original Color

71.6389, 88.8119, 68.0102



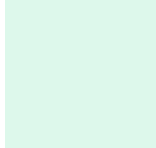
Protanomaly

78.1896, 88.0396, 66.9051



Deuteranomaly

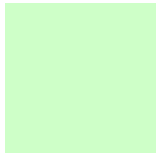
79.9306, 87.7678, 79.0578



Tritanomaly

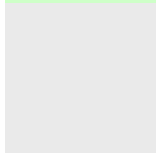
78.3816, 88.5051, 91.5493

Monochromacy



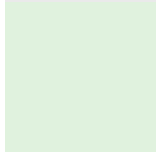
Original Color

71.6389, 88.8119, 68.0102



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.6774, 84.6255, 81.4530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.6389, 88.8119, 68.0102 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(206, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 200)  
}
```

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(206, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 200) }
```

Border

The CSS property to change the border of an element to XYZ 71.6389, 88.8119, 68.0102 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(206, 255, 200) }
```


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

```
.border{ border-color:rgb(206, 255, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 255, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 71.6389, 88.8119, 68.0102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 200) }
```

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

```
.background{ background-color: rgb(206,  
255, 200) }
```

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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