

Converting Colors

XYZ(91.0360, 128.0931,
76.5894)

Have a look what the booklet for
XYZ(91.0360, 128.0931, 76.5894)
contains.

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Color

**XYZ(71.1681, 88.5283,
69.8366)**

Conversions

Conversions Part 1

Format	Color
Hex	CBFFCB
RGB	203, 255, 203
RGB Percent	80%, 100%, 80%
CMY	0.2039, 0.0000, 0.2039
CMYK	0.20, 0.00, 0.20, 0.00
HSL	120°, 100%, 90%
HSV	120°, 20%, 100%
XYZ	71.1681, 88.5283, 69.8366
YIQ	233.5240, -14.3000, -27.1960

Conversions

Conversions Part 2

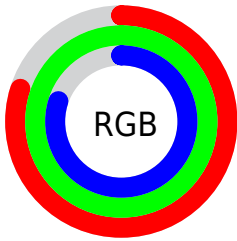
Format	Color
R_{YB}	203, 255, 255
Decimal	13369291
CIE _{Lab}	95.38, -26.07, 19.56
CIE _{LCh}	95, 32.590, 143.117
Yxy	88.5283, 0.3101, 0.3857
Android (android.graphics.Color)	4291559371 (0xFFCBBFFCB)
YUV	233.5240, -15.0483, -26.7695
Hunter-Lab	94.0895, -29.6414, 21.8555

Details

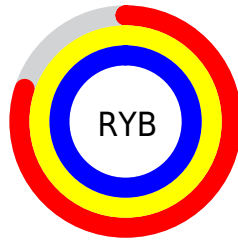
The XYZ color **71.1681, 88.5283, 69.8366** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **80.6462, 71.1925, 104.0982**, and the grayscale version is **77.9643, 82.0246, 89.3247**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.8316, 48.8540, 35.8696** is the 20% darker color. If you saturate the color by 10%, you get **61.9919, 84.1205, 54.8276**, and if you desaturate by 10%, it is **81.9876, 93.7255, 87.5341**.

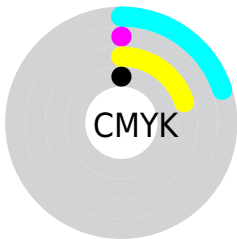
Distribution



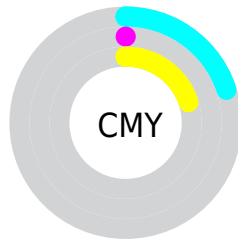
- Red (80%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.1681, 88.5283, 69.8366 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 71.1681, 88.5283, 69.8366 by changing the saturation by 10% instead.


 71.1681, 88.5283,
69.8366

 71.1681, 88.5283,
69.8366


453.8436,
523.2318, 478.7497

 52.7624, 66.7607,
50.9174


119.8903,
145.2924, 120.6546

 37.8399, 48.8902,
35.7666


150.9375,
181.0577, 153.3905

 26.0351, 34.5324,
23.9657

186.9292,
222.2577, 191.5690

 16.9827, 23.3029,
15.0962

228.2308,
269.2768, 235.6086

 10.3174, 14.8173,
8.7396

275.2077,
322.4993, 285.9280

 5.6738, 8.6913,
4.4772

328.2253,

 2.6865, 4.5404,

382.3098, 342.9456

1.8906

387.6487,
449.0924, 407.0800

■ 0.9902, 1.9802,
0.4868

■ 0.0000, 0.5959,
0.0000

■ 71.1681, 88.5283,
69.8366

■ 71.1681, 88.5283,
69.8366

■ 61.9919, 84.1205,
54.8276

■ 81.9876, 93.7255,
87.5341

■ 54.3769, 80.4626,
42.3718

94.5232, 99.7469,
108.0383

■ 48.2368, 77.5132,
32.3285

95.0500, 100.0000,
108.9000

■ 43.4761, 75.2264,
24.5415

■ 39.9883, 73.5511,
18.8366

■ 37.6513, 72.4285,
15.0138

■ 36.3189, 71.7885,
12.8343

■ 35.7600, 71.5200,
11.9201

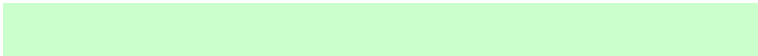
Harmonies

Analogous

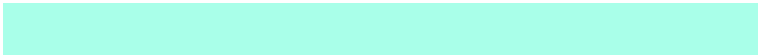
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5936, 88.5283, 57.9359



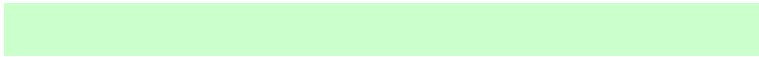
71.1681, 88.5283, 69.8366



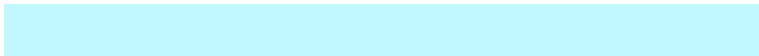
68.2522, 88.5283, 90.6300

Triad

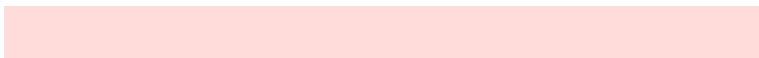
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.1681, 88.5283, 69.8366



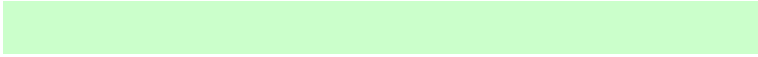
82.1066, 88.5283, 153.7832



100.9075, 88.5283, 78.3801

Complementary

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



71.1681, 88.5283, 69.8366



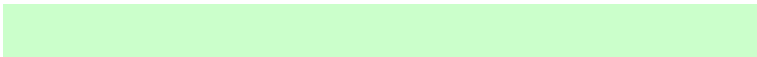
80.6462, 71.1925, 104.0982

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.



102.3278, 88.5283, 102.3938



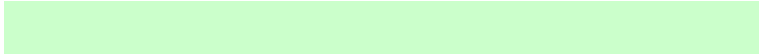
71.1681, 88.5283, 69.8366



91.0520, 88.5283, 148.9377

Square

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



71.1681, 88.5283, 69.8366



74.2724, 88.5283, 141.2150



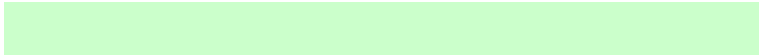
98.6073, 88.5283, 128.9479



94.8526, 88.5283, 62.2262

Rectangle

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



71.1681, 88.5283, 69.8366



68.5340, 88.5283, 107.9639



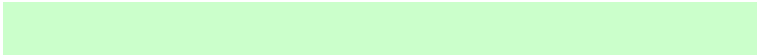
98.6073, 88.5283, 128.9479



101.9595, 88.5283, 85.6785

Sweetspot

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



71.1687, 88.5286, 69.8380



87.2771, 96.2663, 96.1860



87.7797, 97.0919, 70.6149



18.5080, 20.5219, 20.3049



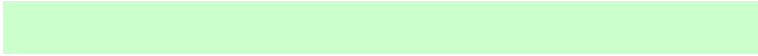
0.0000, 0.0000, 0.0000



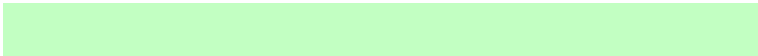
20.3446, 21.4041, 23.3091

Same Dimension

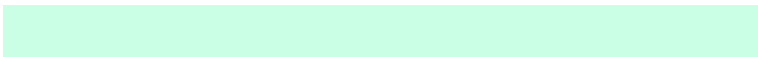
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.1687, 88.5286, 69.8380



67.6721, 86.8490, 64.1186



74.5319, 89.8739, 87.5484



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2285



1.8193, 3.6387, 0.6065

Inverse Universe

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



80.6462, 71.1925, 104.0982



78.5372, 66.9746, 103.3951



76.7392, 69.6297, 83.5245



18.7928, 18.3004, 22.7917



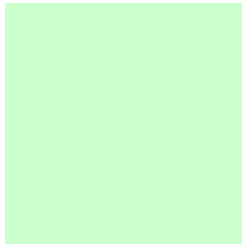
30.9800, 14.8813, 50.6726



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 71.1681, 88.5283, 69.8366 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 71.1681, 88.5283, 69.8366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

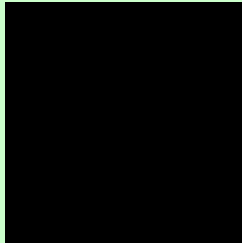
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

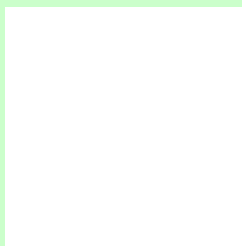
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.1681, 88.5283, 69.8366

Background



This preview shows how black text looks on a background with the XYZ color 71.1681, 88.5283, 69.8366.



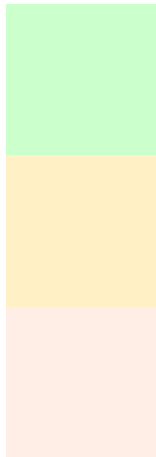
This preview shows how white text looks on a background with the XYZ color 71.1681, 88.5283,

69.8366.

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

71.1681, 88.5283, 69.8366

Protanopia

82.7733, 88.2018, 65.4854

Deuteranopia

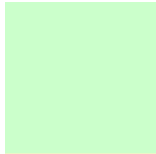
85.9574, 88.0662, 86.5968



Tritanopia

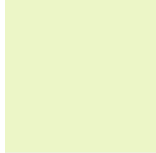
82.0792, 88.2523, 107.3161

Trichromacy



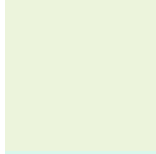
Original Color

71.1681, 88.5283, 69.8366



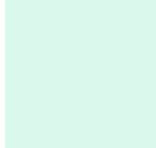
Protanomaly

77.8566, 87.8679, 66.8896



Deuteranomaly

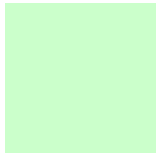
79.8610, 87.7015, 80.4291



Tritanomaly

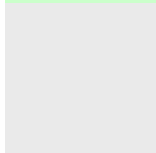
77.6212, 88.0964, 92.2701

Monochromacy



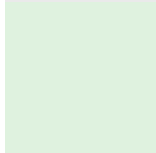
Original Color

71.1681, 88.5283, 69.8366



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.5028, 84.5199, 82.1466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.1681, 88.5283, 69.8366 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(203, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 203)  
}
```

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(203, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 203) }
```

Border

The CSS property to change the border of an element to XYZ 71.1681, 88.5283, 69.8366 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(203, 255, 203) }
```


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

```
.border{ border-color:rgb(203, 255, 203) }
```

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

Here you see how a box with a 4 pixel rgb(203, 255, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 71.1681, 88.5283, 69.8366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 203) }
```

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

```
.background{ background-color: rgb(203,  
255, 203) }
```

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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