

Converting Colors

XYZ(117.9680, 184.0083,
76.9404)

Have a look what the booklet for
XYZ(117.9680, 184.0083, 76.9404)
contains.

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Color

**XYZ(70.0139, 88.1300,
60.8976)**

Conversions

Conversions Part 1

Format	Color
Hex	CDFEBC
RGB	205, 255, 188
RGB Percent	80%, 100%, 74%
CMY	0.1961, 0.0000, 0.2627
CMYK	0.20, 0.00, 0.26, 0.00
HSL	105°, 100%, 87%
HSV	105°, 26%, 100%
XYZ	70.0139, 88.1300, 60.8976
YIQ	232.4120, -8.2930, -31.4370

Conversions

Conversions Part 2

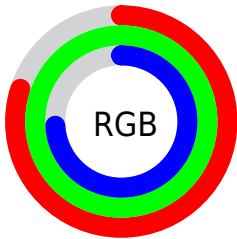
Format	Color
RYB	188, 255, 238
Decimal	13500348
CIELab	95.22, -27.81, 26.97
CIELCh	95, 38.742, 135.884
Yxy	88.1300, 0.3196, 0.4023
Android (android.graphics.Color)	4291690428 (0xFFCDDFFBC)
YUV	232.4120, -21.8951, -24.0403
Hunter-Lab	93.8776, -31.1605, 27.2534

Details

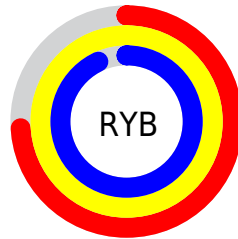
The XYZ color **70.0139, 88.1300, 60.8976** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.2941, 61.3648, 102.6947**, and the grayscale version is **77.1734, 81.1924, 88.4186**.

A 20% lighter version of the original color is **93.3291, 99.3117, 99.8380**, and **37.0748, 48.5934, 29.9797** is the 20% darker color. If you saturate the color by 10%, you get **62.5689, 84.5820, 47.4452**, and if you desaturate by 10%, it is **78.5842, 92.2019, 76.9405**.

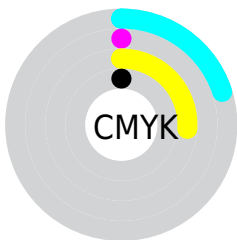
Distribution



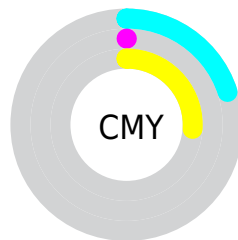
- Red (80%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (93%)



- Cyan (20%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0139, 88.1300, 60.8976 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 70.0139, 88.1300, 60.8976 by changing the saturation by 10% instead.


 70.0139, 88.1300,
60.8976

 70.0139, 88.1300,
60.8976


449.8645,
521.9289, 445.7946

 51.8175, 66.4307,
43.7125


 118.2547,
144.7381, 107.6867

 37.0833, 48.6221,
30.1090


149.0299,
180.4158, 138.1279

 25.4460, 34.3198,
19.6686

184.7287,
221.5217, 173.8248

 16.5401, 23.1394,
11.9727

225.7164,
268.4403, 215.1960

 10.0004, 14.6965,
6.6028

272.3585,
321.5559, 262.6600

 5.4615, 8.6067,
3.1403

325.0203,

 2.5580, 4.4855,

381.2529, 316.6354

1.1667

384.0672,
447.9158, 377.5408

■ 0.9246, 1.9487,
0.0000

■ 0.0000, 0.5774,
0.0000

■ 70.0139, 88.1300,
60.8976

■ 70.0139, 88.1300,
60.8976

■ 62.5689, 84.5820,
47.4452

■ 78.5842, 92.2019,
76.9405

■ 56.1993, 81.5352,
36.4436

■ 88.3236, 96.8177,
95.6957

■ 50.8535, 78.9663,
27.7461

95.0500, 100.0000,
108.9000

■ 46.4748, 76.8496,
21.1886

■ 43.0007, 75.1569,
16.5853

■ 40.3600, 73.8563,
13.7188

■ 38.4689, 72.9105,
12.3185

■ 37.9200, 72.6335,
12.0211

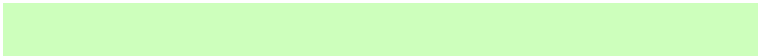
Harmonies

Analogous

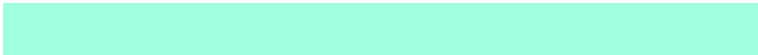
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3285, 88.1300, 50.1827



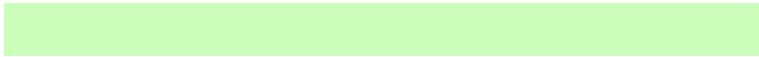
70.0139, 88.1300, 60.8976



65.5724, 88.1300, 82.4609

Triad

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



70.0139, 88.1300, 60.8976



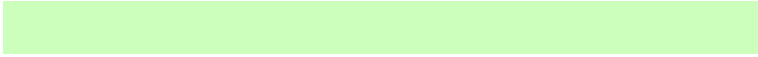
78.9089, 88.1300, 164.1410



104.8564, 88.1300, 80.9035

Complementary

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



70.0139, 88.1300, 60.8976



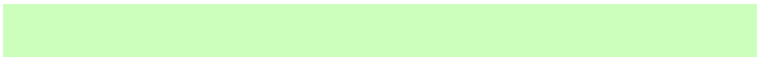
71.2941, 61.3648, 102.6947

Split Complementary

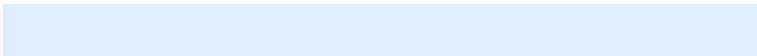
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.0449, 88.1300, 110.8542



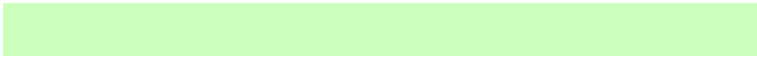
70.0139, 88.1300, 60.8976



89.4473, 88.1300, 163.4774

Square

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



70.0139, 88.1300, 60.8976



70.4079, 88.1300, 144.0666



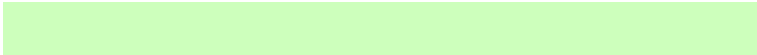
99.2079, 88.1300, 142.4087



98.7126, 88.1300, 59.9650

Rectangle

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



70.0139, 88.1300, 60.8976



65.1433, 88.1300, 102.0458



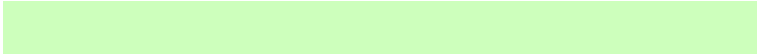
99.2079, 88.1300, 142.4087



105.6347, 88.1300, 90.1184

Sweetspot

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



70.0144, 88.1302, 60.8989



86.5568, 95.9811, 92.2588



80.6403, 85.5369, 59.8383



18.2034, 20.3908, 19.1207



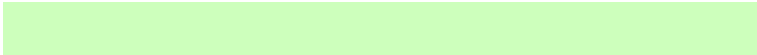
0.0000, 0.0000, 0.0000



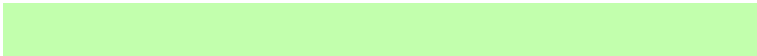
20.3446, 21.4041, 23.3091

Same Dimension

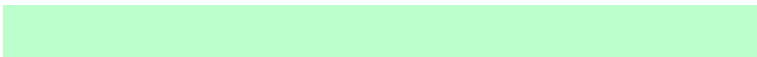
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0144, 88.1302, 60.8989



65.6163, 86.0357, 52.8866



67.3550, 86.5538, 70.0541



18.2034, 20.3908, 19.1207



19.9291, 38.0119, 6.2867



2.0360, 3.7504, 0.6166

Inverse Universe

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



71.2941, 61.3648, 102.6947



67.0996, 54.8035, 101.6493



74.8580, 63.4811, 90.2537



18.3163, 18.0548, 22.7695



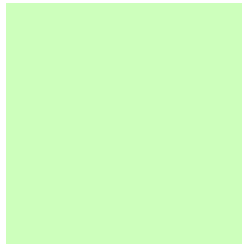
20.7119, 9.5879, 50.1936



2.1173, 0.9854, 4.8919

Previews

White Background



This preview shows how the XYZ color 70.0139, 88.1300, 60.8976 looks on a white background.

Color Contrast Check

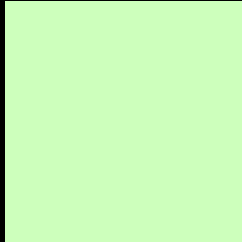
Large Text (above 18pt) WCAG AA × Fail

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 70.0139, 88.1300, 60.8976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

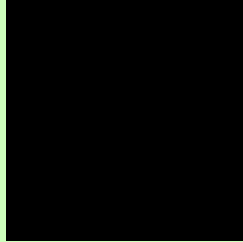
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

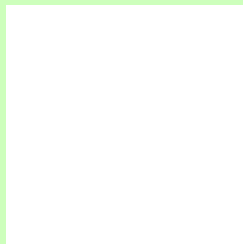
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0139, 88.1300, 60.8976

Background



This preview shows how black text looks on a background with the XYZ color 70.0139, 88.1300, 60.8976.



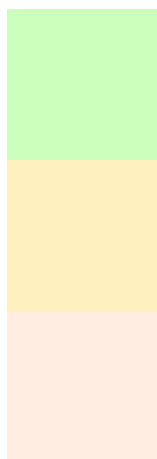
This preview shows how white text looks on a background with the XYZ color 70.0139, 88.1300,

60.8976.

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

70.0139, 88.1300, 60.8976

Protanopia

81.9145, 87.3859, 62.4190

Deuteranopia

85.2517, 87.3194, 84.3126



Tritanopia

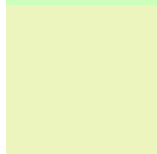
81.7791, 87.6521, 107.2161

Trichromacy



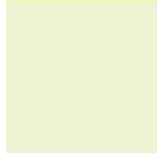
Original Color

70.0139, 88.1300, 60.8976



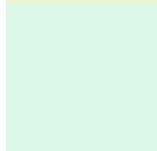
Protanomaly

76.9814, 87.0709, 62.0392



Deuteranomaly

79.1594, 87.4594, 74.9966



Tritanomaly

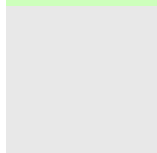
76.8980, 87.3511, 88.4088

Monochromacy



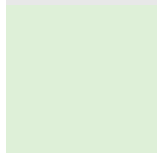
Original Color

70.0139, 88.1300, 60.8976



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.6790, 82.8076, 77.0659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0139, 88.1300, 60.8976 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(205, 255, 188)` looks like.

```
.text, #text, p{  
    color:rgb(205, 255, 188)  
}
```

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(205, 255, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 188) }
```

Border

The CSS property to change the border of an element to XYZ 70.0139, 88.1300, 60.8976 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(205, 255, 188) }
```


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

```
.border{ border-color:rgb(205, 255, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 255, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 255, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 255, 188);  
box-shadow:4px 4px 4px 4px rgb(205, 255,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0139, 88.1300, 60.8976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 255, 188) }
```

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

```
.background{ background-color: rgb(205,  
255, 188) }
```

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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