

Converting Colors

XYZ(98.4620, 143.6723,
69.1407)

Have a look what the booklet for
XYZ(98.4620, 143.6723, 69.1407)
contains.

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Color

**XYZ(70.9174, 88.6205,
59.8221)**

Conversions

Conversions Part 1

Format	Color
Hex	D1FFBA
RGB	209, 255, 186
RGB Percent	82%, 100%, 73%
CMY	0.1804, 0.0000, 0.2706
CMYK	0.18, 0.00, 0.27, 0.00
HSL	100°, 100%, 86%
HSV	100°, 27%, 100%
XYZ	70.9174, 88.6205, 59.8221
YIQ	233.3800, -5.2670, -31.2110

Conversions

Conversions Part 2

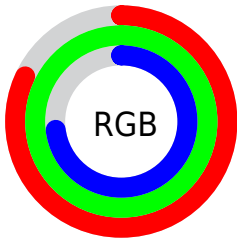
Format	Color
R _{YB}	186, 255, 232
Decimal	13762490
CIE Lab	95.42, -26.77, 28.30
CIE LCh	95, 38.954, 133.407
Yxy	88.6205, 0.3233, 0.4040
Android (android.graphics.Color)	4291952570 (0xFFD1FFBA)
YUV	233.3800, -23.3583, -21.3813
Hunter-Lab	94.1385, -30.2728, 28.2200

Details

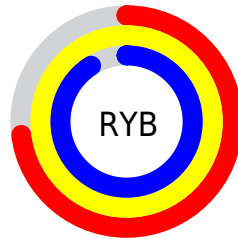
The XYZ color **70.9174, 88.6205, 59.8221** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.8886, 59.4949, 102.4606**, and the grayscale version is **77.9113, 81.9688, 89.2640**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **37.6854, 48.9241, 29.2869** is the 20% darker color. If you saturate the color by 10%, you get **63.8875, 85.2822, 46.5825**, and if you desaturate by 10%, it is **78.9453, 92.4173, 75.6362**.

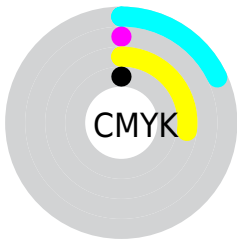
Distribution



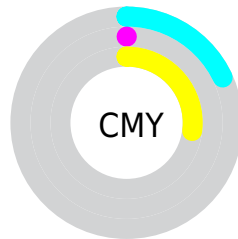
- Red (82%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (91%)



- Cyan (18%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.9174, 88.6205, 59.8221 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 70.9174, 88.6205, 59.8221 by changing the saturation by 10% instead.


 70.9174, 88.6205,
59.8221

 70.9174, 88.6205,
59.8221


452.9810,
523.5331, 441.7281

 52.5571, 66.8371,
42.8509


 119.5353,
145.4207, 106.1124

 37.6754, 48.9522,
29.4376


150.5235,
181.2063, 136.2686

 25.9069, 34.5816,
19.1637

186.4518,
222.4280, 171.6568

 16.8863, 23.3407,
11.6106

227.6854,
269.4703, 212.6957

 10.2483, 14.8453,
6.3598

274.5898,
322.7176, 259.8037

 5.6274, 8.7109,
2.9928

327.5303,

 2.6584, 4.5531,

382.5542, 313.3995

1.0909

386.8722,
449.3646, 373.9014

■ 0.9758, 1.9875,
0.0000

■ 0.0000, 0.6002,
0.0000

■ 70.9174, 88.6205,
59.8221

■ 70.9174, 88.6205,
59.8221

■ 63.8875, 85.2822,
46.5825

■ 78.9453, 92.4173,
75.6362

■ 57.8126, 82.3833,
35.7771

■ 88.0090, 96.6895,
94.1469

■ 52.6480, 79.9041,
27.2584

95.0500, 100.0000,
108.9000

■ 48.3447, 77.8228,
20.8613

■ 44.8486, 76.1157,
16.3983

■ 42.0978, 74.7555,
13.6495

■ 40.0174, 73.7100,
12.3338

■ 39.5060, 73.4512,
12.0953

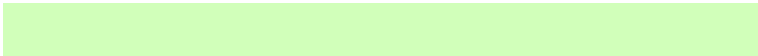
Harmonies

Analogous

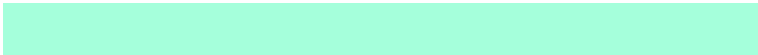
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.5678, 88.6205, 49.9159



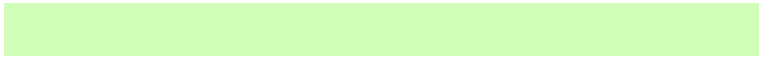
70.9174, 88.6205, 59.8221



66.0761, 88.6205, 80.6817

Triad

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



70.9174, 88.6205, 59.8221



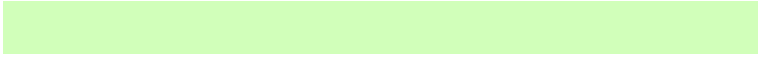
78.5125, 88.6205, 164.3866



105.7828, 88.6205, 83.5127

Complementary

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



70.9174, 88.6205, 59.8221



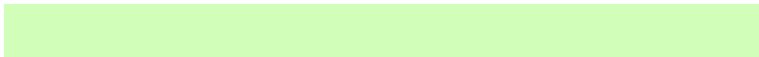
68.8886, 59.4949, 102.4606

Split Complementary

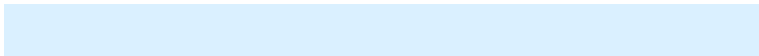
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.4398, 88.6205, 114.2451



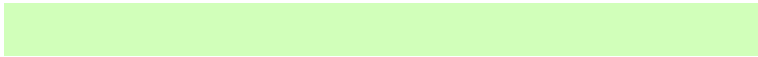
70.9174, 88.6205, 59.8221



89.0732, 88.6205, 165.5947

Square

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



70.9174, 88.6205, 59.8221



70.2012, 88.6205, 142.7100



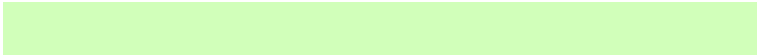
99.1148, 88.6205, 145.7274



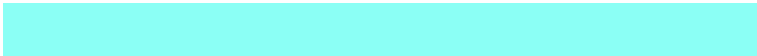
100.0159, 88.6205, 61.5161

Rectangle

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



70.9174, 88.6205, 59.8221



65.3834, 88.6205, 100.0228



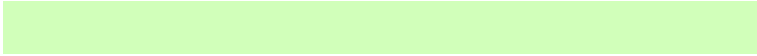
99.1148, 88.6205, 145.7274



106.3920, 88.6205, 93.0466

Sweetspot

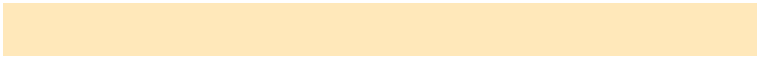
The Sweet Spot groups the original color and five complimentary colors.



70.9179, 88.6207, 59.8234



87.1099, 96.2663, 92.2847



78.9600, 82.5189, 58.2218



18.3420, 20.4622, 19.1272



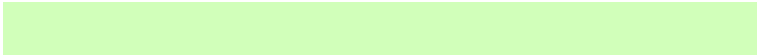
0.0000, 0.0000, 0.0000



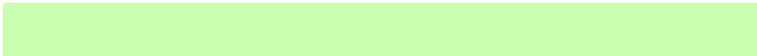
20.3446, 21.4041, 23.3091

Same Dimension

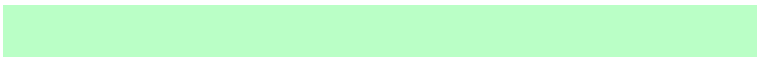
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.9179, 88.6207, 59.8234



67.3213, 86.9146, 52.9664



66.1459, 86.0137, 66.2414



18.3420, 20.4622, 19.1272



20.7834, 38.4523, 6.3266



2.1339, 3.8008, 0.6212

Inverse Universe

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



68.8886, 59.4949, 102.4606



65.0022, 53.7222, 101.5512



75.0528, 62.8801, 93.3721



18.1699, 17.9793, 22.7626



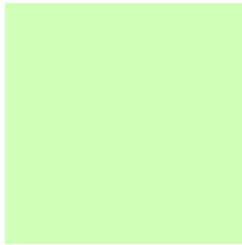
18.2589, 8.3233, 50.0788



1.8938, 0.8702, 4.8814

Previews

White Background



This preview shows how the XYZ color 70.9174, 88.6205, 59.8221 looks on a white background.

Color Contrast Check

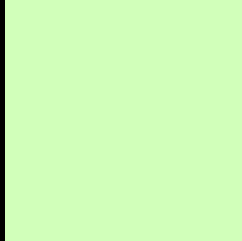
Large Text (above 18pt) WCAG AA × Fail

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 70.9174, 88.6205, 59.8221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

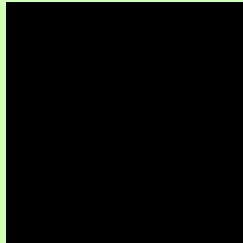
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

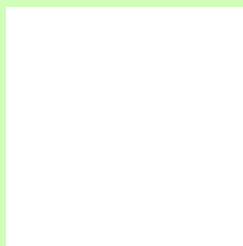
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9174, 88.6205, 59.8221

Background



This preview shows how black text looks on a background with the XYZ color 70.9174, 88.6205, 59.8221.



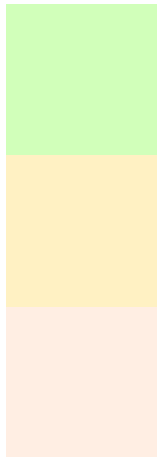
This preview shows how white text looks on a background with the XYZ color 70.9174, 88.6205,

59.8221.

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

70.9174, 88.6205, 59.8221

Protanopia

82.5456, 88.1107, 64.2862

Deuteranopia

85.6797, 87.9551, 85.1343



Tritanopia

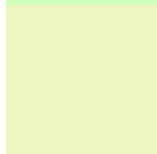
82.7337, 88.1442, 107.2607

Trichromacy



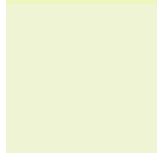
Original Color

70.9174, 88.6205, 59.8221



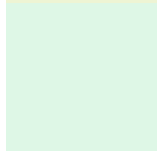
Protanomaly

77.7301, 87.8944, 62.7377



Deuteranomaly

79.4942, 87.6320, 75.0122



Tritanomaly

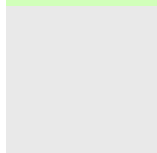
77.6679, 87.7643, 87.7096

Monochromacy



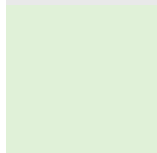
Original Color

70.9174, 88.6205, 59.8221



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.5904, 83.7158, 77.1932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9174, 88.6205, 59.8221 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(209, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 186)  
}
```

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(209, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 186) }
```

Border

The CSS property to change the border of an element to XYZ 70.9174, 88.6205, 59.8221 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(209, 255, 186) }
```


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

```
.border{ border-color:rgb(209, 255, 186) }
```

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

Here you see how a box with a 4 pixel rgb(209, 255, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9174, 88.6205, 59.8221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 186) }
```

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

```
.background{ background-color: rgb(209,  
255, 186) }
```

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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