

Converting Colors

XYZ(70.9488, 88.8113, 51.9315)

Have a look what the booklet for
XYZ(70.9488, 88.8113, 51.9315)
contains.

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Color

**XYZ(70.8422, 88.7564,
51.9260)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | D6FFAB |
| RGB | 214, 255, 171 |
| RGB Percent | 84%, 100%, 67% |
| CMY | 0.1608, 0.0000, 0.3294 |
| CMYK | 0.16, 0.00, 0.33, 0.00 |
| HSL | 89°, 100%, 84% |
| HSV | 89°, 33%, 100% |
| XYZ | 70.8422, 88.7564, 51.9260 |
| YIQ | 233.1650, 2.5280, -34.8160 |

Conversions

Conversions Part 2

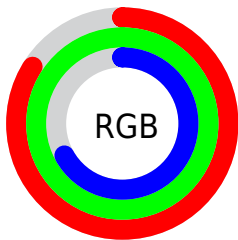
| Format | Color |
|-------------------------------------|--|
| RYB | 171, 255, 212 |
| Decimal | 14090155 |
| CIELab | 95.48, -27.17, 35.95 |
| CIElCh | 95, 45.063, 127.087 |
| Yxy | 88.7564, 0.3349, 0.4196 |
| Android (android.graphics.Color) | 4292280235 (0xFFD6FFAB) |
| YUV | 233.1650, -30.6473, -16.8077 |
| Hunter-Lab | 94.2106, -30.6445, 33.2686 |

Details

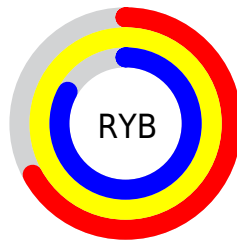
The XYZ color **70.8422, 88.7564, 51.9260** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **59.7654, 50.3442, 101.1752**, and the grayscale version is **77.7981, 81.8496, 89.1342**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **37.5646, 48.9653, 24.6109** is the 20% darker color. If you saturate the color by 10%, you get **65.1462, 86.0743, 40.1721**, and if you desaturate by 10%, it is **77.2855, 91.7696, 66.1649**.

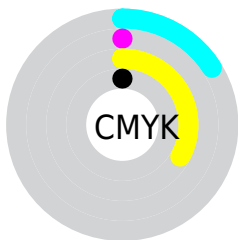
Distribution



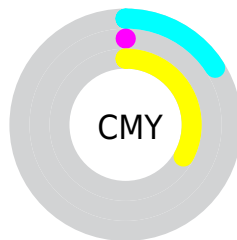
- Red (84%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (83%)



- Cyan (16%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)



- Cyan (16%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8422, 88.7564, 51.9260 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 70.8422, 88.7564, 51.9260 by changing the saturation by 10% instead.

70.8422, 88.7564,
51.9260

70.8422, 88.7564,
51.9260

452.7220,
523.9771, 411.0997

52.4955, 66.9497,
36.5643

119.4287,
145.6098, 94.4476

37.6260, 49.0437,
24.5772

150.3993,
181.4252, 122.4445

25.8685, 34.6542,
15.5462

186.3085,
222.6790, 155.4902

16.8574, 23.3966,
9.0527

227.5218,
269.7555, 194.0032

10.2276, 14.8866,
4.6783

274.4044,
323.0392, 238.4022

5.6135, 8.7399,
2.0044

327.3217,

2.6499, 4.5719,

382.9145, 289.1055

0.5580

386.6392,
449.7656, 346.5318

■ 0.9715, 1.9983,
0.0000

■ 0.0000, 0.6065,
0.0000

■ 70.8422, 88.7564,
51.9260

■ 70.8422, 88.7564,
51.9260

■ 65.1462, 86.0743,
40.1721

■ 77.2855, 91.7696,
66.1649

■ 60.1631, 83.7086,
30.7566

■ 84.5059, 95.1263,
83.0163

■ 55.8572, 81.6445,
23.5233

■ 92.5326, 98.8390,
102.6037

■ 52.1882, 79.8650,
18.2955

■ 95.0500, 100.0000,
108.9000

■ 49.1106, 78.3511,
14.8690

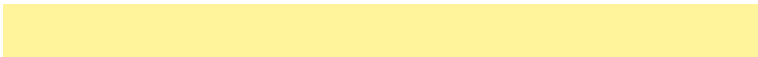
■ 46.5702, 77.0803,
12.9959

■ 45.0479, 76.3081,
12.3547

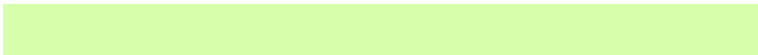
Harmonies

Analogous

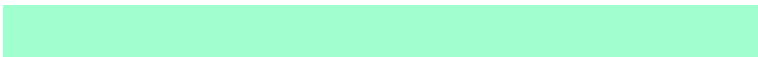
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4660, 88.7564, 43.6637



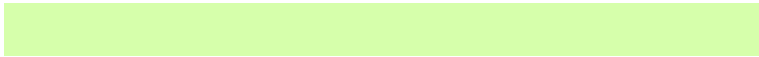
70.8422, 88.7564, 51.9260



64.3329, 88.7564, 72.5182

Triad

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



70.8422, 88.7564, 51.9260



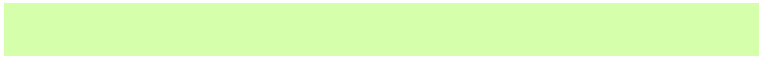
75.4529, 88.7564, 173.7442



110.1731, 88.7564, 88.4951

Complementary

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



70.8422, 88.7564, 51.9260



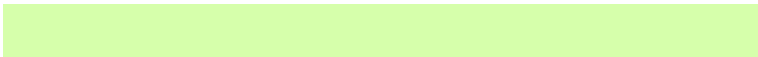
59.7654, 50.3442, 101.1752

Split Complementary

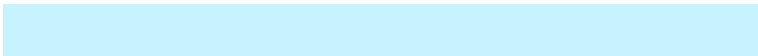
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.1645, 88.7564, 125.5945



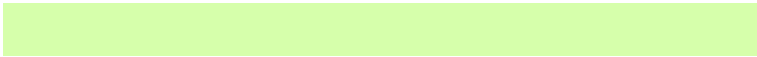
70.8422, 88.7564, 51.9260



87.3224, 88.7564, 181.0054

Square

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



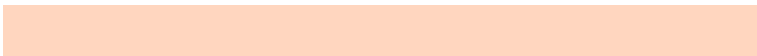
70.8422, 88.7564, 51.9260



66.8080, 88.7564, 143.6979



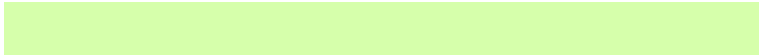
99.4972, 88.7564, 161.6381



104.7454, 88.7564, 61.1734

Rectangle

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



70.8422, 88.7564, 51.9260



62.8075, 88.7564, 93.2267



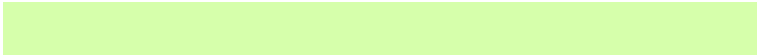
99.4972, 88.7564, 161.6381



110.3532, 88.7564, 100.1369

Sweetspot

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



70.8426, 88.7566, 51.9273



86.7810, 96.1804, 88.4861



72.0349, 71.0883, 48.4541



18.3401, 20.4779, 18.3737



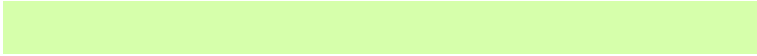
0.0000, 0.0000, 0.0000



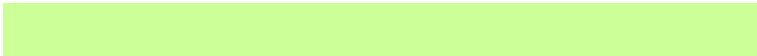
20.3446, 21.4041, 23.3091

Same Dimension

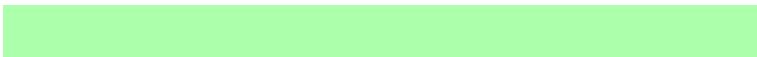
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.8426, 88.7566, 51.9273



66.7455, 86.8294, 43.3789



60.2127, 83.2766, 51.4298



18.6582, 20.6252, 19.1420



23.7116, 39.9618, 6.4637



2.4349, 3.9560, 0.6352

Inverse Universe

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



59.7654, 50.3442, 101.1752



54.0118, 42.6691, 99.9970



73.3402, 57.3422, 101.8104



17.8471, 17.8129, 22.7475



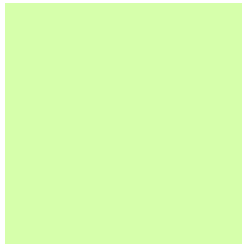
13.9812, 6.1181, 49.8786



1.4869, 0.6604, 4.8624

Previews

White Background



This preview shows how the XYZ color 70.8422, 88.7564, 51.9260 looks on a white background.

Color Contrast Check

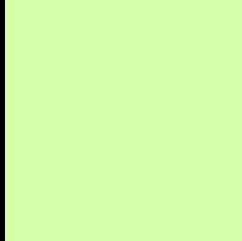
Large Text (above 18pt) WCAG AA × Fail

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 70.8422, 88.7564, 51.9260 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

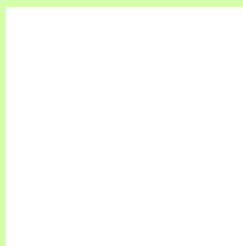
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.8422, 88.7564, 51.9260

Background



This preview shows how black text looks on a background with the XYZ color 70.8422, 88.7564, 51.9260.



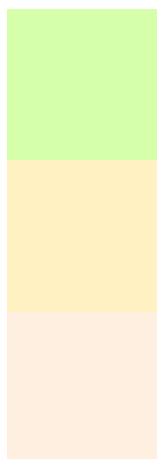
This preview shows how white text looks on a background with the XYZ color 70.8422, 88.7564,

51.9260.

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

70.8422, 88.7564, 51.9260

Protanopia

82.4329, 88.0656, 63.6926

Deuteranopia

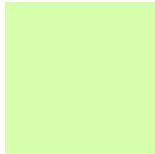
85.6971, 88.4292, 83.7860



Tritanopia

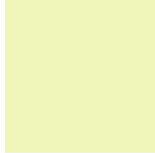
83.7049, 88.6448, 107.3062

Trichromacy



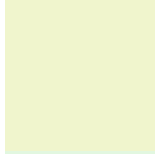
Original Color

70.8422, 88.7564, 51.9260



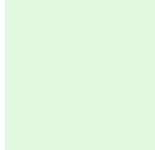
Protanomaly

77.7539, 87.9820, 59.3385



Deuteranomaly

79.6070, 88.2379, 70.5935



Tritanomaly

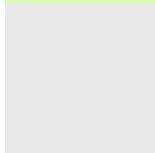
78.0793, 88.0721, 83.4054

Monochromacy



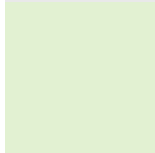
Original Color

70.8422, 88.7564, 51.9260



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.4522, 83.7325, 73.2107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8422, 88.7564, 51.9260 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(214, 255, 171)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 171)  
}
```

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(214, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 171) }
```

Border

The CSS property to change the border of an element to XYZ 70.8422, 88.7564, 51.9260 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(214, 255, 171) }
```


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

```
.border{ border-color:rgb(214, 255, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 255, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8422, 88.7564, 51.9260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 171) }
```

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

```
.background{ background-color: rgb(214,  
255, 171) }
```

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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