

Converting Colors

XYZ(70.9369, 88.8700, 49.0045)

Have a look what the booklet for
XYZ(70.9369, 88.8700, 49.0045)
contains.

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Color

**XYZ(70.8704, 88.8355,
49.0090)**

Conversions

Conversions Part 1

Format	Color
Hex	D8FFA5
RGB	216, 255, 165
RGB Percent	85%, 100%, 65%
CMY	0.1529, 0.0000, 0.3529
CMYK	0.15, 0.00, 0.35, 0.00
HSL	86°, 100%, 82%
HSV	86°, 35%, 100%
XYZ	70.8704, 88.8355, 49.0090
YIQ	233.0790, 5.6460, -36.2580

Conversions

Conversions Part 2

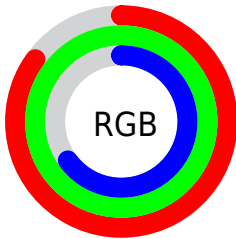
Format	Color
RYB	165, 255, 204
Decimal	14221221
CIELab	95.51, -27.26, 38.99
CIElCh	96, 47.570, 124.958
Yxy	88.8355, 0.3396, 0.4256
Android (android.graphics.Color)	4292411301 (0xFFD8FFA5)
YUV	233.0790, -33.5629, -14.9783
Hunter-Lab	94.2526, -30.7243, 35.1475

Details

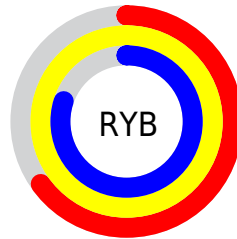
The XYZ color **70.8704, 88.8355, 49.0090** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **56.4081, 46.9689, 100.7006**, and the grayscale version is **77.7528, 81.8020, 89.0824**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **37.6159, 49.0316, 22.8107** is the 20% darker color. If you saturate the color by 10%, you get **65.6201, 86.3709, 37.8318**, and if you desaturate by 10%, it is **76.8038, 91.5988, 62.6361**.

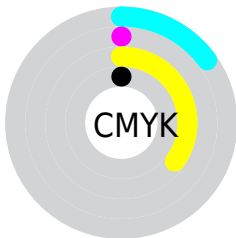
Distribution



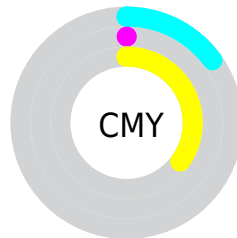
- Red (85%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (80%)



- Cyan (15%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.8704, 88.8355, 49.0090 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 70.8704, 88.8355, 49.0090 by changing the saturation by 10% instead.


 70.8704, 88.8355,
49.0090


 70.8704, 88.8355,
49.0090


452.8191,
524.2355, 399.4012

 52.5186, 67.0152,
34.2610


 119.4687,
145.7198, 90.0859

 37.6445, 49.0970,
22.8152


 150.4459,
181.5526, 117.2519

 25.8829, 34.6964,
14.2531

186.3623,
222.8250, 149.3943

 16.8683, 23.4291,
8.1561

227.5832,
269.9215, 186.9317

 10.2353, 14.9107,
4.1058

274.4739,
323.2264, 230.2825

 5.6187, 8.7567,
1.6836

327.4000,

 2.6531, 4.5828,

383.1241, 279.8653

0.3494

386.7266,
449.9990, 336.0987

0.9731, 2.0047,
0.0000

0.0000, 0.6102,
0.0000

70.8704, 88.8355,
49.0090

70.8704, 88.8355,
49.0090

65.6201, 86.3709,
37.8318

76.8038, 91.5988,
62.6361

61.0199, 84.1911,
28.9548

83.4488, 94.6726,
78.8430

57.0351, 82.2818,
22.2180

90.8332, 98.0685,
97.7550

53.6266, 80.6269,
17.4391

95.0500, 100.0000,
108.9000

■ 50.7493, 79.2078,
14.4058

■ 48.3487, 78.0021,
12.8556

■ 47.3487, 77.4942,
12.4623

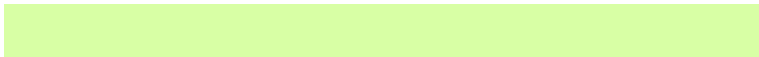
Harmonies

Analogous

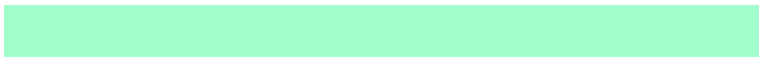
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.2874, 88.8355, 41.3807



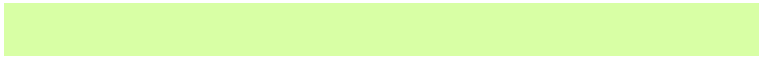
70.8704, 88.8355, 49.0090



63.6982, 88.8355, 69.4075

Triad

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



70.8704, 88.8355, 49.0090



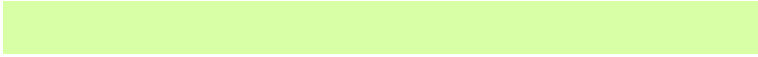
74.2621, 88.8355, 177.4464



111.9550, 88.8355, 90.6537

Complementary

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



70.8704, 88.8355, 49.0090



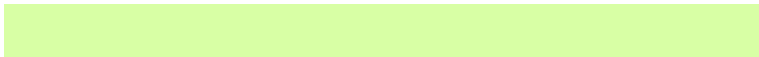
56.4081, 46.9689, 100.7006

Split Complementary

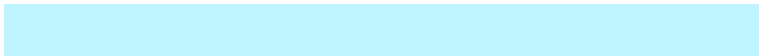
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



109.2460, 88.8355, 130.4119



70.8704, 88.8355, 49.0090



86.6206, 88.8355, 187.3366

Square

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



70.8704, 88.8355, 49.0090



65.5105, 88.8355, 143.9725



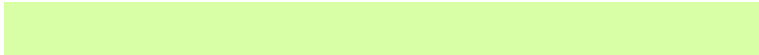
99.6297, 88.8355, 168.3096



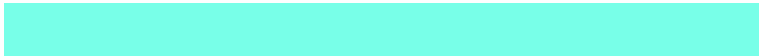
106.6937, 88.8355, 61.1451

Rectangle

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



70.8704, 88.8355, 49.0090



61.8439, 88.8355, 90.5526



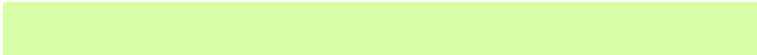
99.6297, 88.8355, 168.3096



111.9511, 88.8355, 103.1754

Sweetspot

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



70.8708, 88.8357, 49.0103



86.5268, 96.0904, 86.6237



69.6250, 67.1632, 44.8927



18.3090, 20.4701, 18.0034



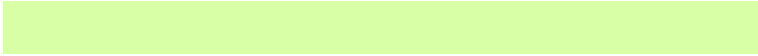
0.0000, 0.0000, 0.0000



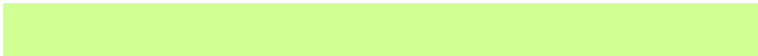
20.3446, 21.4041, 23.3091

Same Dimension

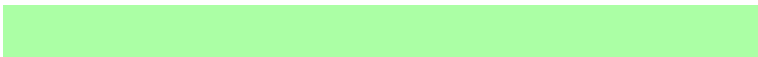
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.8708, 88.8357, 49.0103



67.2758, 87.1504, 41.2514



59.3469, 82.8949, 48.4710



18.7567, 20.6760, 19.1466



24.9152, 40.5823, 6.5200



2.5512, 4.0160, 0.6407

Inverse Universe

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



56.4081, 46.9689, 100.7006



50.9522, 39.8790, 99.6197



70.5726, 54.2710, 101.3635



17.7496, 17.7627, 22.7430



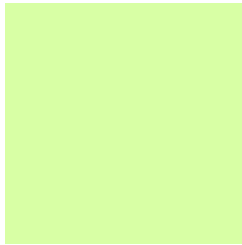
12.9879, 5.6060, 49.8321



1.3870, 0.6090, 4.8577

Previews

White Background



This preview shows how the XYZ color 70.8704, 88.8355, 49.0090 looks on a white background.

Color Contrast Check

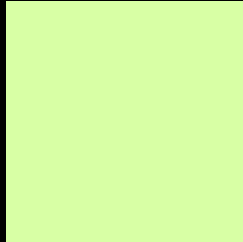
Large Text (above 18pt) WCAG AA × Fail

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 70.8704, 88.8355, 49.0090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

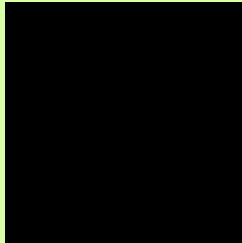
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

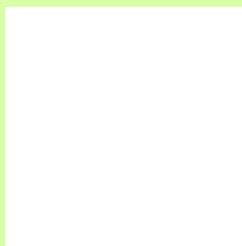
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.8704, 88.8355, 49.0090

Background



This preview shows how black text looks on a background with the XYZ color 70.8704, 88.8355, 49.0090.



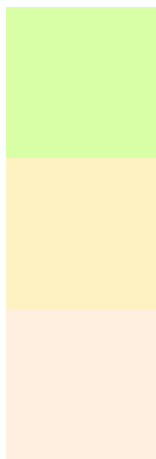
This preview shows how white text looks on a background with the XYZ color 70.8704, 88.8355,

49.0090.

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

70.8704, 88.8355, 49.0090

Protanopia

82.7297, 88.6593, 63.7916

Deuteranopia

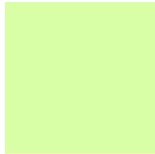
85.6971, 88.4292, 83.7860



Tritanopia

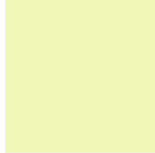
84.0323, 88.8136, 107.3215

Trichromacy



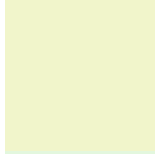
Original Color

70.8704, 88.8355, 49.0090



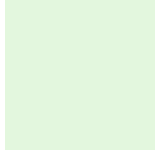
Protanomaly

78.0836, 88.6412, 57.7938



Deuteranomaly

79.7075, 88.3174, 69.3458



Tritanomaly

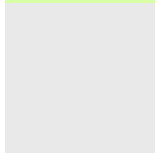
78.1241, 88.1263, 81.9997

Monochromacy



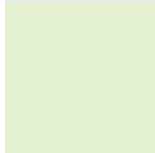
Original Color

70.8704, 88.8355, 49.0090



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.5190, 83.7956, 71.9211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8704, 88.8355, 49.0090 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(216, 255, 165)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 165)  
}
```

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(216, 255, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 165) }
```

Border

The CSS property to change the border of an element to XYZ 70.8704, 88.8355, 49.0090 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(216, 255, 165) }
```


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

```
.border{ border-color:rgb(216, 255, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 255, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8704, 88.8355, 49.0090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 165) }
```

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

```
.background{ background-color: rgb(216,  
255, 165) }
```

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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