

Converting Colors

XYZ(70.6854, 88.7345, 49.2580)

Have a look what the booklet for
XYZ(70.6854, 88.7345, 49.2580)
contains.

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Color

**XYZ(70.6673, 88.7202,
49.4766)**

Conversions

Conversions Part 1

Format	Color
Hex	D7FFA6
RGB	215, 255, 166
RGB Percent	84%, 100%, 65%
CMY	0.1569, 0.0000, 0.3490
CMYK	0.16, 0.00, 0.35, 0.00
HSL	87°, 100%, 83%
HSV	87°, 35%, 100%
XYZ	70.6673, 88.7202, 49.4766
YIQ	232.8940, 4.7290, -36.1590

Conversions

Conversions Part 2

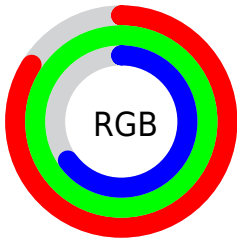
Format	Color
RYB	166, 255, 206
Decimal	14155686
CIELab	95.46, -27.48, 38.42
CIELCh	95, 47.236, 125.577
Yxy	88.7202, 0.3383, 0.4248
Android (android.graphics.Color)	4292345766 (0xFFD7FFA6)
YUV	232.8940, -32.9787, -15.6930
Hunter-Lab	94.1914, -30.9149, 34.7903

Details

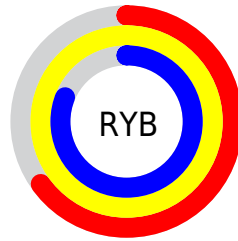
The XYZ color **70.6673, 88.7202, 49.4766** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **57.1409, 47.6156, 100.7868**, and the grayscale version is **77.6097, 81.6514, 88.9184**.

A 20% lighter version of the original color is **90.1848, 98.0539, 83.2803**, and **37.4728, 48.9513, 23.0963** is the 20% darker color. If you saturate the color by 10%, you get **65.3067, 86.2008, 38.2021**, and if you desaturate by 10%, it is **76.7284, 91.5472, 63.2072**.

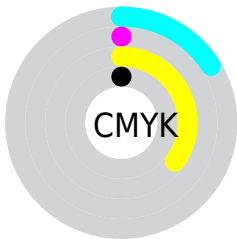
Distribution



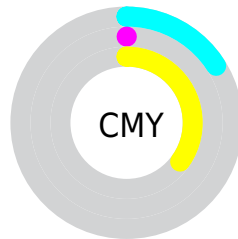
- Red (84%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (81%)



- Cyan (16%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)



- Cyan (16%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.6673, 88.7202, 49.4766 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 70.6673, 88.7202, 49.4766 by changing the saturation by 10% instead.


 70.6673, 88.7202,
49.4766


 70.6673, 88.7202,
49.4766


452.1195,
523.8589, 401.2919

 52.3523, 66.9197,
34.6294


 119.1810,
145.5594, 90.7872

 37.5114, 49.0194,
23.0963


 150.1103,
181.3669, 118.0877

 25.7792, 34.6348,
14.4587


185.9752,
222.6121, 150.3764

 16.7903, 23.3817,
8.2980


227.1409,
269.6796, 188.0719

 10.1795, 14.8756,
4.1957

273.9729,
322.9536, 231.5926

 5.5813, 8.7321,
1.7333

326.8364,

 2.6304, 4.5669,

382.8185, 281.3572

0.3834

386.0968,
449.6588, 337.7841

■ 0.9615, 1.9955,
0.0000

■ 0.0000, 0.6048,
0.0000

■ 70.6673, 88.7202,
49.4766

■ 70.6673, 88.7202,
49.4766

■ 65.3067, 86.2008,
38.2021

■ 76.7284, 91.5472,
63.2072

■ 60.6129, 83.9747,
29.2346

■ 83.5186, 94.6936,
79.5233

■ 56.5510, 82.0274,
22.4146

■ 91.0663, 98.1713,
98.5501

■ 53.0815, 80.3426,
17.5609

95.0500, 100.0000,
108.9000

■ 50.1589, 78.9016,
14.4624

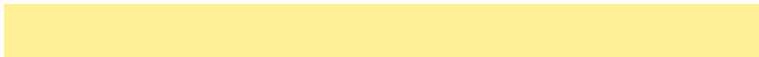
■ 47.7287, 77.6817,
12.8594

■ 46.6413, 77.1295,
12.4292

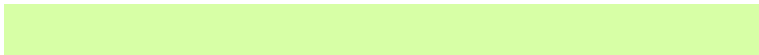
Harmonies

Analogous

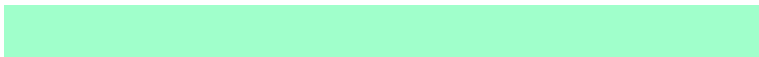
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.9316, 88.7202, 41.6357



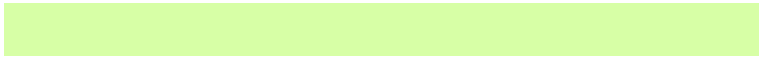
70.6673, 88.7202, 49.4766



63.6463, 88.7202, 70.0414

Triad

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



70.6673, 88.7202, 49.4766



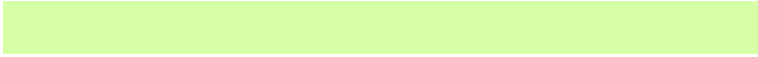
74.4546, 88.7202, 177.0566



111.5813, 88.7202, 89.8423

Complementary

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



70.6673, 88.7202, 49.4766



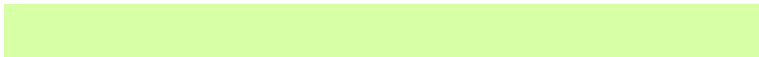
57.1409, 47.6156, 100.7868

Split Complementary

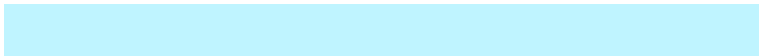
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



109.0600, 88.7202, 129.1471



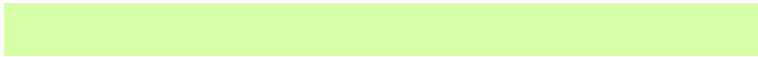
70.6673, 88.7202, 49.4766



86.7664, 88.7202, 186.2521

Square

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



70.6673, 88.7202, 49.4766



65.6713, 88.7202, 144.2526



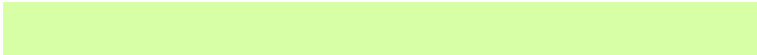
99.6399, 88.7202, 166.8892



106.2157, 88.7202, 60.8026

Rectangle

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



70.6673, 88.7202, 49.4766



61.8794, 88.7202, 91.2119



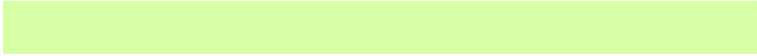
99.6399, 88.7202, 166.8892



111.6339, 88.7202, 102.1988

Sweetspot

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



70.6677, 88.7205, 49.4779



87.1213, 96.3559, 88.5021



69.8514, 67.4696, 45.4191



18.4224, 20.5203, 18.3775



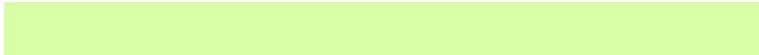
0.0000, 0.0000, 0.0000



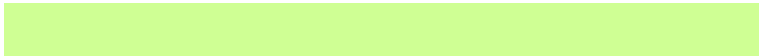
20.3446, 21.4041, 23.3091

Same Dimension

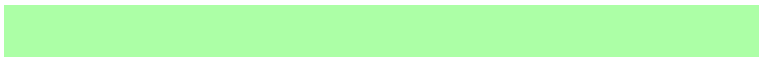
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.6677, 88.7205, 49.4779



66.7917, 86.9008, 41.2287



59.6424, 83.0367, 48.9619



18.7277, 20.6611, 19.1453



24.5456, 40.3918, 6.5027



2.5158, 3.9977, 0.6390

Inverse Universe

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



57.1409, 47.6156, 100.7868



51.3984, 40.1090, 99.6406



70.7775, 54.6455, 101.4250



17.7782, 17.7774, 22.7443



13.2652, 5.7490, 49.8451



1.4152, 0.6235, 4.8590

Previews

White Background



This preview shows how the XYZ color 70.6673, 88.7202, 49.4766 looks on a white background.

Color Contrast Check

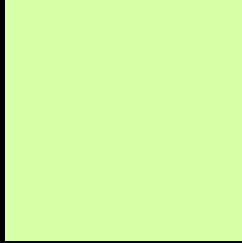
Large Text (above 18pt) WCAG AA × Fail

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 70.6673, 88.7202, 49.4766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

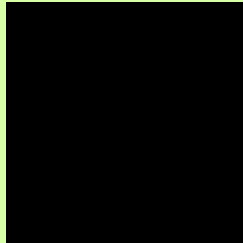
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

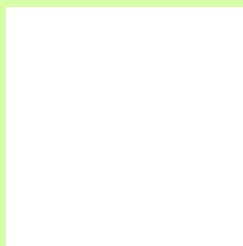
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.6673, 88.7202, 49.4766

Background



This preview shows how black text looks on a background with the XYZ color 70.6673, 88.7202, 49.4766.



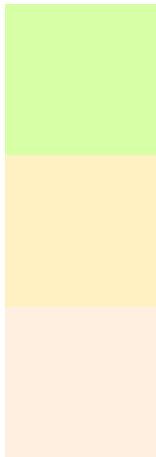
This preview shows how white text looks on a background with the XYZ color 70.6673, 88.7202,

49.4766.

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

70.6673, 88.7202, 49.4766

Protanopia

82.3209, 88.0208, 63.1030

Deuteranopia

85.6971, 88.4292, 83.7860



Tritanopia

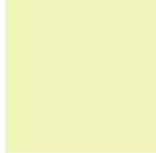
83.7049, 88.6448, 107.3062

Trichromacy



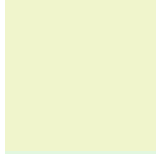
Original Color

70.6673, 88.7202, 49.4766



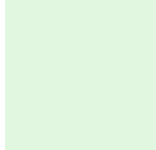
Protanomaly

77.4382, 87.8557, 57.6762



Deuteranomaly

79.4867, 88.1897, 69.9597



Tritanomaly

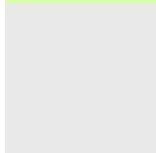
77.9441, 88.0180, 82.6931

Monochromacy



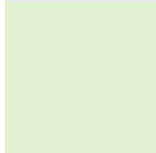
Original Color

70.6673, 88.7202, 49.4766



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.3280, 83.6828, 72.5565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6673, 88.7202, 49.4766 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(215, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 166)  
}
```

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(215, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 166) }
```

Border

The CSS property to change the border of an element to XYZ 70.6673, 88.7202, 49.4766 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(215, 255, 166) }
```


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

```
.border{ border-color:rgb(215, 255, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 255, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 255, 166); box-shadow:4px 4px 4px 4px rgb(215, 255, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6673, 88.7202, 49.4766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 166) }
```

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

```
.background{ background-color: rgb(215,  
255, 166) }
```

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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