

Converting Colors

XYZ(73.6288, 94.8243, 48.2120)

Have a look what the booklet for
XYZ(73.6288, 94.8243, 48.2120)
contains.

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Color

**XYZ(70.5119, 88.6921,
47.1211)**

Conversions

Conversions Part 1

Format	Color
Hex	D8FFA1
RGB	216, 255, 161
RGB Percent	85%, 100%, 63%
CMY	0.1529, 0.0000, 0.3686
CMYK	0.15, 0.00, 0.37, 0.00
HSL	85°, 100%, 82%
HSV	85°, 37%, 100%
XYZ	70.5119, 88.6921, 47.1211
YIQ	232.6230, 6.9300, -37.5020

Conversions

Conversions Part 2

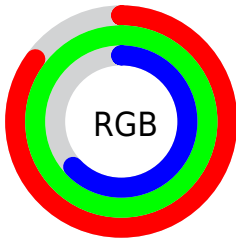
Format	Color
RYB	161, 255, 200
Decimal	14221217
CIELab	95.45, -27.76, 40.88
CIElCh	95, 49.415, 124.184
Yxy	88.6921, 0.3418, 0.4299
Android (android.graphics.Color)	4292411297 (0xFFD8FFA1)
YUV	232.6230, -35.3101, -14.5784
Hunter-Lab	94.1765, -31.1622, 36.2579

Details

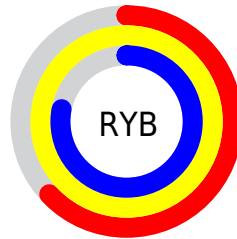
The XYZ color **70.5119, 88.6921, 47.1211** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **54.6154, 44.9904, 100.4132**, and the grayscale version is **77.4214, 81.4533, 88.7027**.

A 20% lighter version of the original color is **89.5244, 97.7898, 79.8025**, and **37.3981, 48.9445, 21.6635** is the 20% darker color. If you saturate the color by 10%, you get **65.4616, 86.3225, 36.3194**, and if you desaturate by 10%, it is **76.2228, 91.3493, 60.3499**.

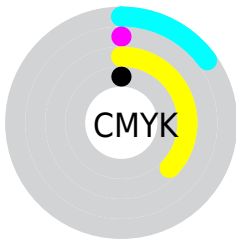
Distribution



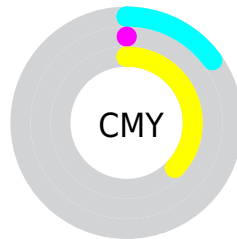
- Red (85%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (78%)



- Cyan (15%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.5119, 88.6921, 47.1211 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 70.5119, 88.6921, 47.1211 by changing the saturation by 10% instead.


 70.5119, 88.6921,
47.1211


 70.5119, 88.6921,
47.1211


451.5838,
523.7671, 391.7055

 52.2251, 66.8964,
32.7764


 118.9608,
145.5203, 87.2462

 37.4095, 49.0004,
21.6855


 149.8535,
181.3216, 113.8637

 25.6998, 34.6198,
13.4299


185.6789,
222.5603, 145.4092

 16.7307, 23.3702,
7.5910

226.8024,
269.6206, 182.3012

 10.1368, 14.8671,
3.7504

273.5893,
322.8871, 224.9583

 5.5527, 8.7261,
1.4894

326.4049,

 2.6131, 4.5630,

382.7440, 273.7990

0.2100

385.6146,
449.5759, 329.2419

■ 0.9526, 1.9932,
0.0000

■ 0.0000, 0.6035,
0.0000

■ 70.5119, 88.6921,
47.1211

■ 70.5119, 88.6921,
47.1211

■ 65.4616, 86.3225,
36.3194

■ 76.2228, 91.3493,
60.3499

■ 61.0391, 84.2267,
27.7929

■ 82.6226, 94.3057,
76.1373

■ 57.2096, 82.3905,
21.3788

■ 89.7390, 97.5729,
94.6101

■ 53.9339, 80.7978,
16.8910

95.0500, 100.0000,
108.9000

■ 51.1664, 79.4298,
14.1108

■ 48.8504, 78.2633,
12.7614

■ 48.1910, 77.9284,
12.5018

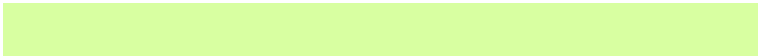
Harmonies

Analogous

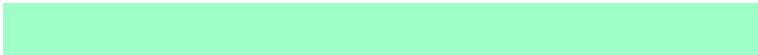
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4156, 88.6921, 39.6952



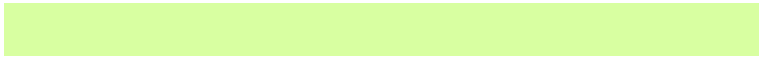
70.5119, 88.6921, 47.1211



62.9833, 88.6921, 67.6239

Triad

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



70.5119, 88.6921, 47.1211



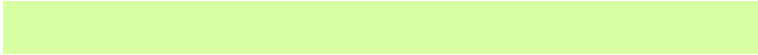
73.4704, 88.6921, 180.3592



112.9962, 88.6921, 91.2369

Complementary

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



70.5119, 88.6921, 47.1211



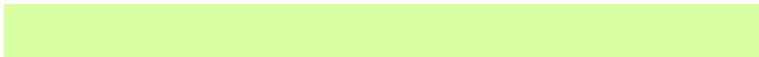
54.6154, 44.9904, 100.4132

Split Complementary

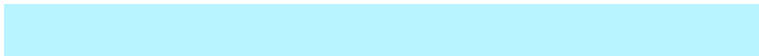
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



109.9518, 88.6921, 132.7841



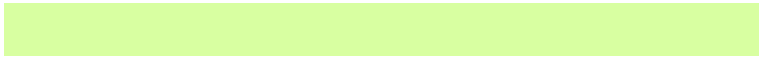
70.5119, 88.6921, 47.1211



86.2112, 88.6921, 191.5590

Square

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



70.5119, 88.6921, 47.1211



64.5588, 88.6921, 144.7679



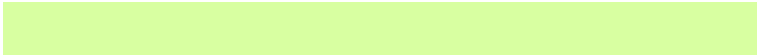
99.7758, 88.6921, 172.2415



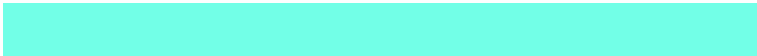
107.7019, 88.6921, 60.4689

Rectangle

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



70.5119, 88.6921, 47.1211



60.9774, 88.6921, 89.2156



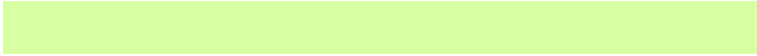
99.7758, 88.6921, 172.2415



112.9176, 88.6921, 104.3191

Sweetspot

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



70.5123, 88.6923, 47.1224



86.7054, 96.1825, 86.6321



68.0051, 64.4971, 42.5844



18.3516, 20.4920, 18.0054



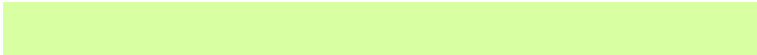
0.0000, 0.0000, 0.0000



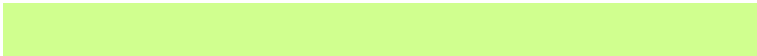
20.3446, 21.4041, 23.3091

Same Dimension

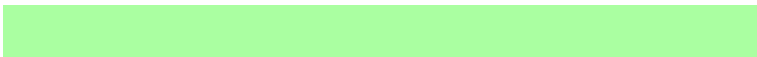
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.5123, 88.6923, 47.1224



66.8414, 86.9720, 39.1716



58.8580, 82.6843, 46.5770



18.7901, 20.6932, 19.1482



25.3548, 40.8089, 6.5406



2.5931, 4.0375, 0.6427

Inverse Universe

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



54.6154, 44.9904, 100.4132



48.9162, 37.6688, 99.3004



68.6613, 52.2313, 101.0705



17.7170, 17.7458, 22.7415



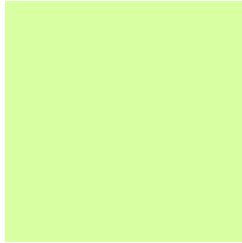
12.6852, 5.4499, 49.8179



1.3559, 0.5929, 4.8563

Previews

White Background



This preview shows how the XYZ color 70.5119, 88.6921, 47.1211 looks on a white background.

Color Contrast Check

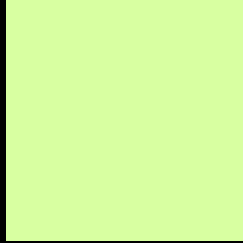
Large Text (above 18pt) WCAG AA × Fail

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 70.5119, 88.6921, 47.1211 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

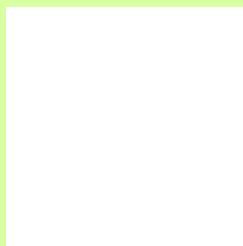
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.5119, 88.6921, 47.1211

Background



This preview shows how black text looks on a background with the XYZ color 70.5119, 88.6921, 47.1211.

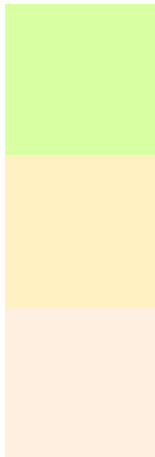


This preview shows how white text looks on a background with the XYZ color 70.5119, 88.6921,

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

70.5119, 88.6921, 47.1211

Protanopia

82.3209, 88.0208, 63.1030

Deuteranopia

85.5610, 88.3748, 83.0695



Tritanopia

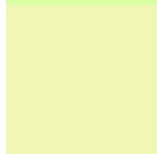
83.7338, 88.2167, 107.2220

Trichromacy



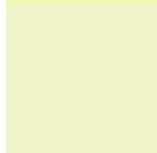
Original Color

70.5119, 88.6921, 47.1211



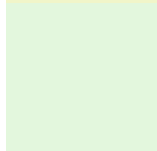
Protanomaly

77.5719, 87.9485, 56.6033



Deuteranomaly

79.4707, 88.2226, 68.0985



Tritanomaly

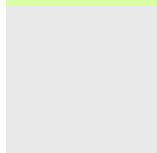
77.9905, 88.0729, 81.2958

Monochromacy



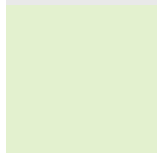
Original Color

70.5119, 88.6921, 47.1211



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.3963, 83.7465, 71.2751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5119, 88.6921, 47.1211 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 161) }
```

Border

The CSS property to change the border of an element to XYZ 70.5119, 88.6921, 47.1211 is called "border". The border property can be set on classes, ids or directly on the HTML element.

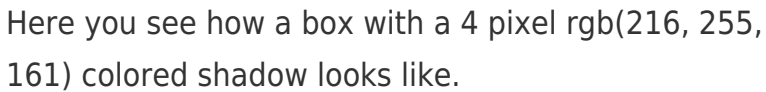
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 255, 161) }
```


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

```
.border{ border-color:rgb(216, 255, 161) }
```

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, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 255, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 255, 161); box-shadow:4px 4px 4px 4px rgb(216, 255, 161) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5119, 88.6921, 47.1211 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, 161) }
```

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

```
.background{ background-color: rgb(216,  
255, 161) }
```

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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