

Converting Colors

XYZ(70.5162, 87.8219, 47.2207)

Have a look what the booklet for
XYZ(70.5162, 87.8219, 47.2207)
contains.

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Color

**XYZ(70.5603, 87.7646,
47.4038)**

Conversions

Conversions Part 1

Format	Color
Hex	DAFDA2
RGB	218, 253, 162
RGB Percent	85%, 99%, 64%
CMY	0.1451, 0.0078, 0.3647
CMYK	0.14, 0.00, 0.36, 0.01
HSL	83°, 96%, 81%
HSV	83°, 36%, 99%
XYZ	70.5603, 87.7646, 47.4038
YIQ	232.1610, 8.3510, -35.7210

Conversions

Conversions Part 2

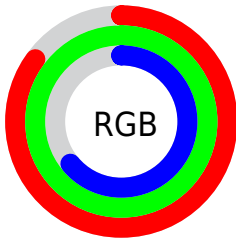
Format	Color
RYB	162, 253, 197
Decimal	14351778
CIELab	95.06, -25.98, 39.90
CIELCh	95, 47.616, 123.066
Yxy	87.7646, 0.3430, 0.4266
Android (android.graphics.Color)	4292541858 (0xFFDAFDA2)
YUV	232.1610, -34.5894, -12.4192
Hunter-Lab	93.6828, -29.5016, 35.5770

Details

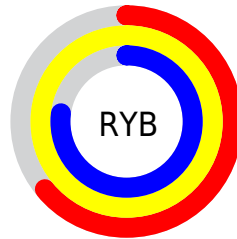
The XYZ color **70.5603, 87.7646, 47.4038** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.6795, 44.8053, 98.7525**, and the grayscale version is **77.0708, 81.0845, 88.3011**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **37.4005, 48.2654, 21.8129** is the 20% darker color. If you saturate the color by 10%, you get **65.7090, 85.5007, 36.5951**, and if you desaturate by 10%, it is **76.0394, 90.3054, 60.6071**.

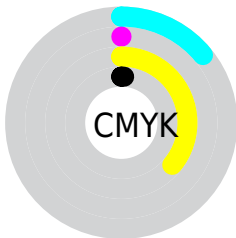
Distribution



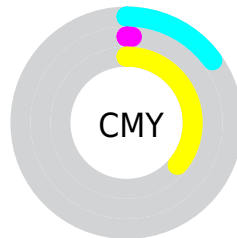
- Red (85%)
- Green (99%)
- Blue (64%)



- Red (64%)
- Yellow (99%)
- Blue (77%)



- Cyan (14%)
- Magenta (0%)
- Yellow (36%)
- Black (1%)





- Cyan (15%)
- Magenta (1%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5603, 87.7646, 47.4038 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 70.5603, 87.7646, 47.4038 by changing the saturation by 10% instead.


 70.5603, 87.7646,
47.4038


 70.5603, 87.7646,
47.4038

451.7507,
520.7320, 392.8644

 52.2647, 66.1281,
32.9984


 119.0294,
144.2294, 87.6723

 37.4412, 48.3764,
21.8541


 149.9335,
179.8265, 114.3725

 25.7245, 34.1251,
13.5524


185.7712,
220.8459, 146.0080

 16.7493, 22.9897,
7.6749

226.9079,
267.6721, 182.9974

 10.1501, 14.5859,
3.8028

273.7088,
320.6894, 225.7592

 5.5616, 8.5293,
1.5178

326.5393,

 2.6185, 4.4355,

380.2823, 274.7119

0.2311

385.7648,
446.8350, 330.2741

■ 0.9554, 1.9200,
0.0000

■ 0.0000, 0.5604,
0.0000

■ 70.5603, 87.7646,
47.4038

■ 70.5603, 87.7646,
47.4038

■ 65.7090, 85.5007,
36.5951

■ 76.0394, 90.3054,
60.6071

■ 61.4488, 83.4895,
28.0315

■ 82.1676, 93.1229,
76.3314

■ 57.7485, 81.7215,
21.5556

■ 88.9730, 96.2317,
94.7006

■ 54.5710, 80.1813,
16.9871

■ 94.4171, 98.7343,
108.6890

■ 51.8731, 78.8512,
14.1151

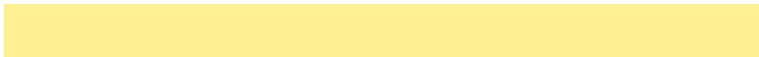
■ 49.6018, 77.7098,
12.6781

■ 48.7763, 77.2907,
12.3478

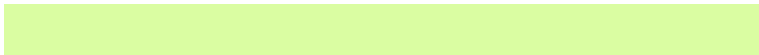
Harmonies

Analogous

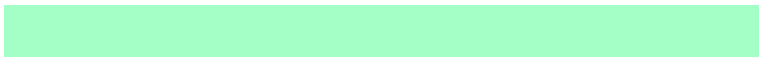
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0932, 87.7646, 40.5882



70.5603, 87.7646, 47.4038



63.1358, 87.7646, 66.7708

Triad

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



70.5603, 87.7646, 47.4038



72.6431, 87.7646, 174.2464



110.8240, 87.7646, 91.7980

Complementary

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



70.5603, 87.7646, 47.4038



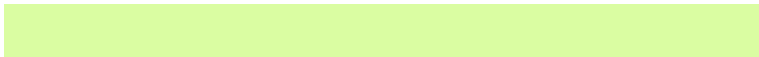
53.6795, 44.8053, 98.7525

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.



107.6352, 87.7646, 131.6246



70.5603, 87.7646, 47.4038



84.7562, 87.7646, 185.8850

Square

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



70.5603, 87.7646, 47.4038



64.2480, 87.7646, 139.9714



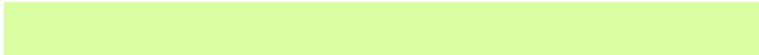
97.7490, 87.7646, 168.6168



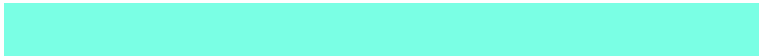
106.0648, 87.7646, 61.7041

Rectangle

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



70.5603, 87.7646, 47.4038



61.0676, 87.7646, 87.2106



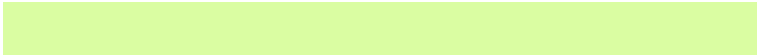
97.7490, 87.7646, 168.6168



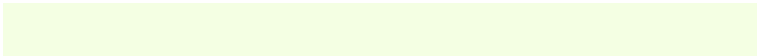
110.6471, 87.7646, 104.4276

Sweetspot

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



70.5625, 87.7685, 47.4057



86.9994, 96.3340, 86.6458



66.9726, 63.3738, 42.8862



18.4218, 20.5282, 18.0087



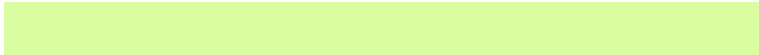
0.0000, 0.0000, 0.0000



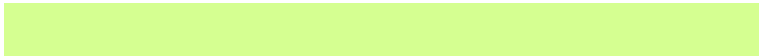
20.3446, 21.4041, 23.3091

Same Dimension

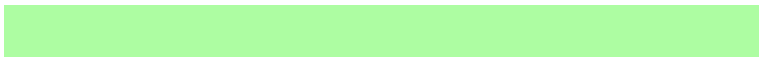
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.5625, 87.7685, 47.4057



68.2868, 87.6946, 40.2574



58.7986, 81.7039, 46.8551



18.8449, 20.7215, 19.1507



26.1136, 41.2001, 6.5761



2.6647, 4.0745, 0.6460

Inverse Universe

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



53.6795, 44.8053, 98.7525



48.8520, 38.2095, 99.4081



67.4029, 51.8800, 99.3947



17.6636, 17.7183, 22.7390



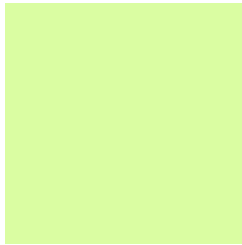
12.2223, 5.2113, 49.7963



1.3075, 0.5680, 4.8540

Previews

White Background



This preview shows how the XYZ color 70.5603, 87.7646, 47.4038 looks on a white background.

Color Contrast Check

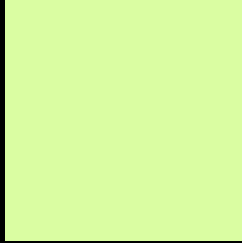
Large Text (above 18pt) WCAG AA × Fail

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 70.5603, 87.7646, 47.4038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

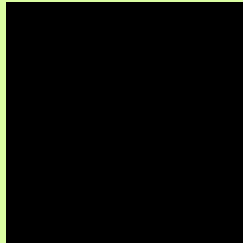
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

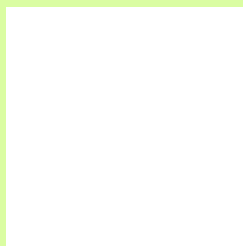
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.5603, 87.7646, 47.4038

Background



This preview shows how black text looks on a background with the XYZ color 70.5603, 87.7646, 47.4038.

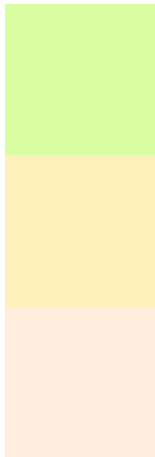


This preview shows how white text looks on a background with the XYZ color 70.5603, 87.7646,

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

70.5603, 87.7646, 47.4038

Protanopia

81.3697, 87.1680, 59.5502

Deuteranopia

84.7090, 87.1023, 81.4550



Tritanopia

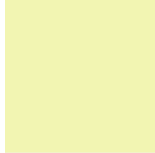
83.4370, 87.6230, 107.1231

Trichromacy



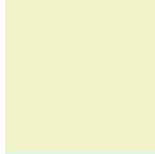
Original Color

70.5603, 87.7646, 47.4038



Protanomaly

77.3062, 87.3964, 54.9142



Deuteranomaly

79.0939, 87.1486, 67.2962



Tritanomaly

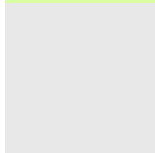
77.6985, 87.0193, 81.1079

Monochromacy



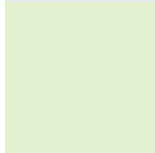
Original Color

70.5603, 87.7646, 47.4038



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.1011, 83.1561, 71.1767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5603, 87.7646, 47.4038 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(218, 253, 162)` looks like.

```
.text, #text, p{  
    color:rgb(218, 253, 162)  
}
```

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(218, 253, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 253, 162) }
```

Border

The CSS property to change the border of an element to XYZ 70.5603, 87.7646, 47.4038 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(218, 253, 162) }
```


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

```
.border{ border-color:rgb(218, 253, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 253, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 253, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 253, 162); box-shadow:4px 4px 4px 4px rgb(218, 253, 162) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5603, 87.7646, 47.4038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 253, 162) }
```

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

```
.background{ background-color: rgb(218,  
253, 162) }
```

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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