

Converting Colors

XYZ(70.3281, 100.0000,
43.4370)

Have a look what the booklet for
XYZ(70.3281, 100.0000, 43.4370)
contains.

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Color

**XYZ(62.8435, 84.8646,
41.0853)**

Conversions

Conversions Part 1

Format	Color
Hex	C0FF94
RGB	192, 255, 148
RGB Percent	75%, 100%, 58%
CMY	0.2471, 0.0000, 0.4196
CMYK	0.25, 0.00, 0.42, 0.00
HSL	95°, 100%, 79%
HSV	95°, 42%, 100%
XYZ	62.8435, 84.8646, 41.0853
YIQ	223.9650, -3.2010, -46.6330

Conversions

Conversions Part 2

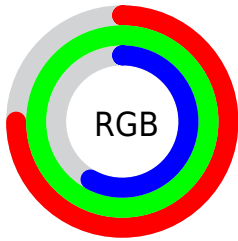
Format	Color
RYB	148, 255, 211
Decimal	12648340
CIELab	93.82, -37.79, 44.83
CIELCh	94, 58.634, 130.132
Yxy	84.8646, 0.3329, 0.4495
Android (android.graphics.Color)	4290838420 (0xFFC0FF94)
YUV	223.9650, -37.4507, -28.0333
Hunter-Lab	92.1220, -39.4449, 38.0428

Details

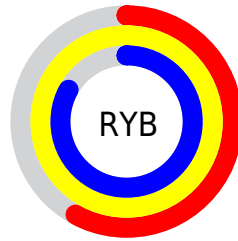
The XYZ color **62.8435, 84.8646, 41.0853** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **55.5052, 42.2501, 99.8374**, and the grayscale version is **71.0869, 74.7890, 81.4452**.

A 20% lighter version of the original color is **85.9638, 96.1558, 70.5291**, and **32.4130, 46.4486, 18.0836** is the 20% darker color. If you saturate the color by 10%, you get **57.4323, 82.2831, 31.4314**, and if you desaturate by 10%, it is **69.0878, 87.8241, 53.1013**.

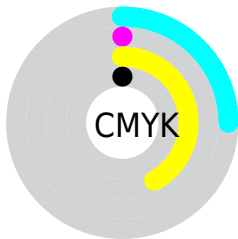
Distribution



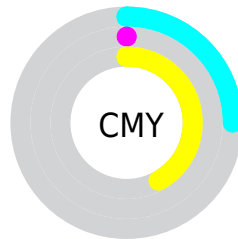
- Red (75%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (83%)



- Cyan (25%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.8435, 84.8646, 41.0853 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 62.8435, 84.8646, 41.0853 by changing the saturation by 10% instead.


 62.8435, 84.8646,
41.0853


 62.8435, 84.8646,
41.0853


424.6700,
511.1799, 366.3642

 45.9728, 63.7295,
28.0655


 108.0268,
140.1840, 78.0684

 32.4289, 46.4316,
18.1356


 137.0701,
175.1371, 102.8689

 21.8464, 32.5866,
10.8769


170.9016,
215.4649, 132.4333

 13.8601, 21.8099,
5.8710

209.8866,
261.5520, 167.1803

 8.1045, 13.7173,
2.6993

254.3907,
313.7826, 207.5283

 4.2142, 7.9243,
0.9431

304.7790,

 1.8240, 4.0465,

372.5412, 253.8960

0.0000

361.4170,
438.2122, 306.7017

■ 0.5321, 1.6996,
0.0000

■ 0.0000, 0.4234,
0.0000

■ 62.8435, 84.8646,
41.0853

■ 62.8435, 84.8646,
41.0853

■ 57.4323, 82.2831,
31.4314

■ 69.0878, 87.8241,
53.1013

■ 52.8123, 80.0615,
23.9799

■ 76.2022, 91.1778,
67.6175

■ 48.9385, 78.1805,
18.5573

■ 84.2224, 94.9412,
84.7657

■ 45.7600, 76.6182,
14.9621

■ 93.1816, 99.1286,
104.6675

■ 43.2173, 75.3493, 95.0500, 100.0000,
12.9516 108.9000

■ 41.5688, 74.5145,
12.1918

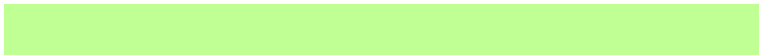
Harmonies

Analogous

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



75.5025, 84.8646, 31.0431



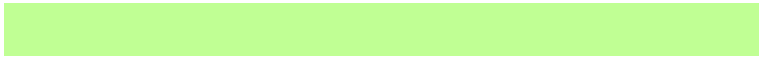
62.8435, 84.8646, 41.0853



55.6287, 84.8646, 66.1929

Triad

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



62.8435, 84.8646, 41.0853



70.8978, 84.8646, 198.9267



113.9104, 84.8646, 78.1097

Complementary

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



62.8435, 84.8646, 41.0853



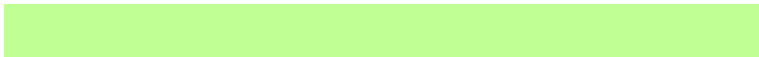
55.5052, 42.2501, 99.8374

Split Complementary

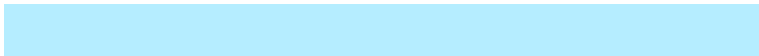
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



112.2612, 84.8646, 124.7534



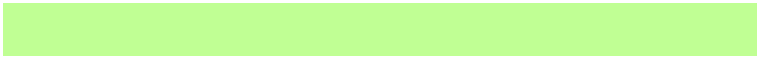
62.8435, 84.8646, 41.0853



86.0498, 84.8646, 205.2795

Square

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



62.8435, 84.8646, 41.0853



59.8470, 84.8646, 159.5092



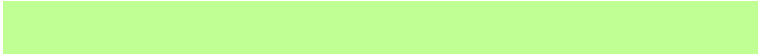
101.5637, 84.8646, 174.7965



105.8158, 84.8646, 47.3831

Rectangle

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



62.8435, 84.8646, 41.0853



54.2478, 84.8646, 92.6015



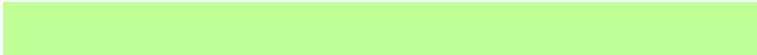
101.5637, 84.8646, 174.7965



114.4997, 84.8646, 92.2050

Sweetspot

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



62.8438, 84.8647, 41.0866



83.3448, 94.5301, 82.8553



69.7355, 69.6980, 37.7959



17.4479, 20.0499, 16.8879



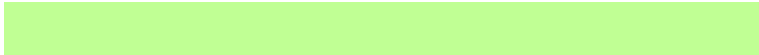
0.0000, 0.0000, 0.0000



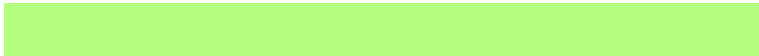
20.3446, 21.4041, 23.3091

Same Dimension

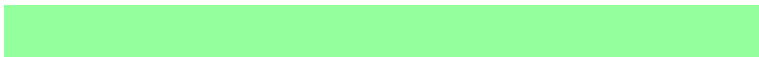
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.8438, 84.8647, 41.0866



58.4291, 82.7600, 33.1447



54.0522, 80.2478, 44.5028



18.4790, 20.5328, 19.1336



21.8801, 39.0177, 6.3780



2.2508, 3.8611, 0.6266

Inverse Universe

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



55.5052, 42.2501, 99.8374



50.2163, 35.1647, 98.7485



68.4778, 49.0997, 93.1241



18.0282, 17.9063, 22.7560



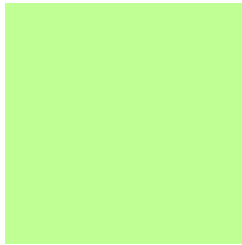
16.1912, 7.2574, 49.9820



1.7006, 0.7706, 4.8724

Previews

White Background



This preview shows how the XYZ color 62.8435, 84.8646, 41.0853 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 62.8435, 84.8646, 41.0853 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

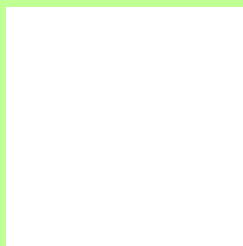
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.8435, 84.8646, 41.0853

Background



This preview shows how black text looks on a background with the XYZ color 62.8435, 84.8646, 41.0853.

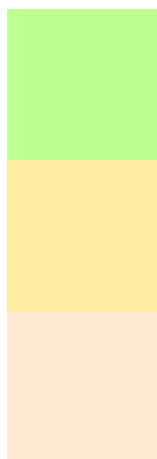


This preview shows how white text looks on a background with the XYZ color 62.8435, 84.8646,

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

62.8435, 84.8646, 41.0853

Protanopia

77.8463, 83.8952, 46.7408

Deuteranopia

82.1368, 84.2410, 73.5591



Tritanopia

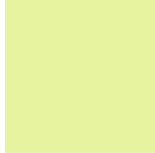
77.8254, 84.2919, 106.7759

Trichromacy



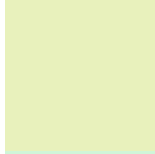
Original Color

62.8435, 84.8646, 41.0853



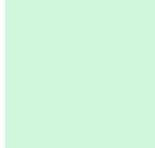
Protanomaly

71.5009, 83.7256, 44.7399



Deuteranomaly

73.8111, 83.6972, 59.8419



Tritanomaly

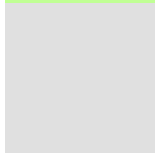
71.0595, 83.6726, 77.3709

Monochromacy



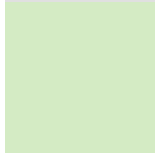
Original Color

62.8435, 84.8646, 41.0853



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

66.8235, 77.3992, 63.6421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.8435, 84.8646, 41.0853 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(192, 255, 148)` looks like.

```
.text, #text, p{  
    color:rgb(192, 255, 148)  
}
```

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(192, 255, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 148) }
```

Border

The CSS property to change the border of an element to XYZ 62.8435, 84.8646, 41.0853 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(192, 255, 148) }
```


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

```
.border{ border-color:rgb(192, 255, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 255, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 255, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 255, 148);  
box-shadow:4px 4px 4px 4px rgb(192, 255,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 62.8435, 84.8646, 41.0853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 255, 148) }
```

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

```
.background{ background-color: rgb(192,  
255, 148) }
```

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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