

Converting Colors

XYZ(62.4773, 84.8160, 34.7311)

Have a look what the booklet for
XYZ(62.4773, 84.8160, 34.7311)
contains.

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Color

**XYZ(62.4305, 84.7880,
34.9051)**

Conversions

Conversions Part 1

Format	Color
Hex	C3FF84
RGB	195, 255, 132
RGB Percent	76%, 100%, 52%
CMY	0.2353, 0.0000, 0.4823
CMYK	0.24, 0.00, 0.48, 0.00
HSL	89°, 100%, 76%
HSV	89°, 48%, 100%
XYZ	62.4305, 84.7880, 34.9051
YIQ	223.0380, 3.7230, -50.9730

Conversions

Conversions Part 2

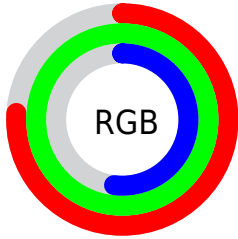
Format	Color
RYB	132, 255, 192
Decimal	12844932
CIELab	93.79, -38.61, 52.42
CIElCh	94, 65.100, 126.373
Yxy	84.7880, 0.3428, 0.4656
Android (android.graphics.Color)	4291035012 (0xFFC3FF84)
YUV	223.0380, -44.8817, -24.5893
Hunter-Lab	92.0804, -40.1177, 41.9811

Details

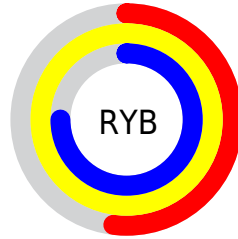
The XYZ color **62.4305, 84.7880, 34.9051** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **48.0408, 34.9304, 98.8180**, and the grayscale version is **70.4729, 74.1430, 80.7417**.

A 20% lighter version of the original color is **85.6027, 96.1787, 61.0663**, and **32.2528, 46.4416, 14.6614** is the 20% darker color. If you saturate the color by 10%, you get **57.8119, 82.5846, 26.6668**, and if you desaturate by 10%, it is **67.7440, 87.3003, 45.4043**.

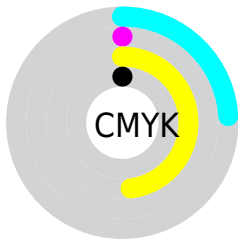
Distribution



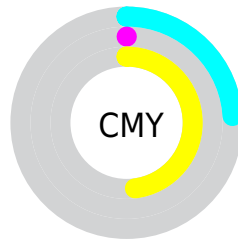
- Red (76%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (75%)



- Cyan (24%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.4305, 84.7880, 34.9051 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 62.4305, 84.7880, 34.9051 by changing the saturation by 10% instead.


 62.4305, 84.7880,
34.9051


 62.4305, 84.7880,
34.9051


423.1923,
510.9263, 339.0408

 45.6376, 63.6662,
23.3068


 107.4339,
140.0769, 68.4886

 32.1633, 46.3804,
14.6128


 136.3751,
175.0129, 91.3110

 21.6424, 32.5461,
8.4045


 170.0964,
215.3224, 118.7117

 13.7095, 21.7790,
4.2634

208.9632,
261.3898, 151.1094

 7.9993, 13.6946,
1.7709

253.3408,
313.5994, 188.9226

 4.1463, 7.9085,
0.4087

303.5946,

 1.7852, 4.0365,

372.3358, 232.5699

0.0000

360.0900,
437.9833, 282.4698

■ 0.5087, 1.6940,
0.0000

■ 0.0000, 0.4198,
0.0000

■ 62.4305, 84.7880,
34.9051

■ 62.4305, 84.7880,
34.9051

■ 57.8119, 82.5846,
26.6668

■ 67.7440, 87.3003,
45.4043

■ 53.8491, 80.6737,
20.5187

■ 73.7861, 90.1358,
58.3106

■ 50.4998, 79.0376,
16.2722

■ 80.5893, 93.3080,
73.7625

■ 47.7142, 77.6556,
13.7028

■ 88.1834, 96.8296,
91.8867

■ 45.4265, 76.5004, 95.0500, 100.0000,
12.5012 108.9000

■ 45.0592, 76.3139,
12.3552

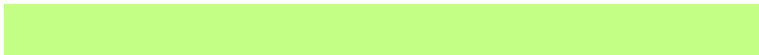
Harmonies

Analogous

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



76.9527, 84.7880, 26.3277



62.4305, 84.7880, 34.9051



53.7975, 84.7880, 59.1666

Triad

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



62.4305, 84.7880, 34.9051



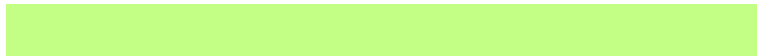
67.9810, 84.7880, 209.9651



118.3649, 84.7880, 82.1451

Complementary

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



62.4305, 84.7880, 34.9051



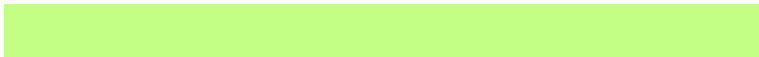
48.0408, 34.9304, 98.8180

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.



115.0597, 84.7880, 135.9953



62.4305, 84.7880, 34.9051



84.3369, 84.7880, 223.0161

Square

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



62.4305, 84.7880, 34.9051



56.6669, 84.7880, 161.1090



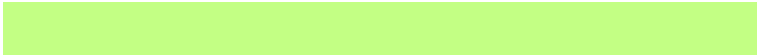
101.9644, 84.7880, 192.2054



110.4419, 84.7880, 46.5710

Rectangle

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



62.4305, 84.7880, 34.9051



51.7456, 84.7880, 86.4250



101.9644, 84.7880, 192.2054



118.5446, 84.7880, 98.4765

Sweetspot

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



62.4308, 84.7881, 34.9063



83.7064, 94.7557, 81.1030



64.1346, 60.3850, 30.1063



17.5728, 20.1220, 16.5458



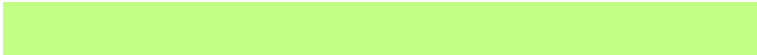
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



62.4308, 84.7881, 34.9063



57.9123, 82.6327, 26.8349



49.7651, 78.2588, 34.3136



18.6588, 20.6255, 19.1420



23.7175, 39.9649, 6.4640



2.4354, 3.9563, 0.6353

Inverse Universe

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



48.0408, 34.9304, 98.8180



41.9660, 27.3696, 97.6787



66.7916, 44.5967, 99.6955



17.8466, 17.8127, 22.7475



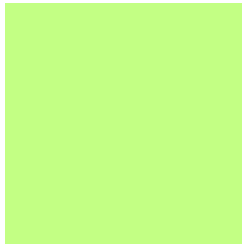
13.9757, 6.1152, 49.8783



1.4864, 0.6602, 4.8624

Previews

White Background



This preview shows how the XYZ color 62.4305, 84.7880, 34.9051 looks on a white background.

Color Contrast Check

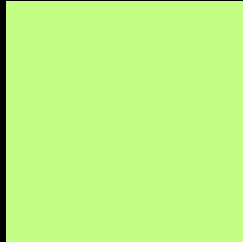
Large Text (above 18pt) WCAG AA × Fail

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 62.4305, 84.7880, 34.9051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

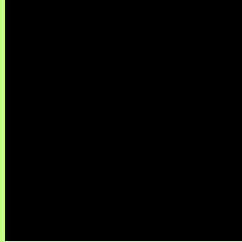
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.4305, 84.7880, 34.9051

Background



This preview shows how black text looks on a background with the XYZ color 62.4305, 84.7880, 34.9051.

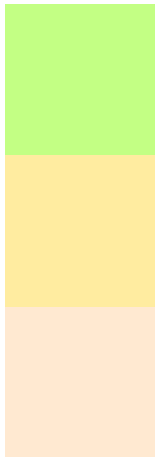


This preview shows how white text looks on a background with the XYZ color 62.4305, 84.7880,

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

62.4305, 84.7880, 34.9051

Protanopia

77.5806, 83.7890, 45.3417

Deuteranopia

81.8875, 84.1413, 72.2466



Tritanopia

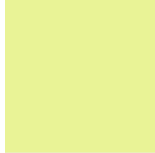
78.1235, 84.4456, 106.7898

Trichromacy



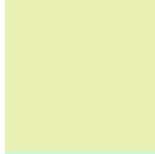
Original Color

62.4305, 84.7880, 34.9051



Protanomaly

71.1599, 83.6268, 41.2452



Deuteranomaly

73.4001, 83.5704, 55.9782



Tritanomaly

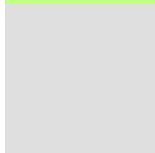
70.8636, 83.6596, 73.3858

Monochromacy



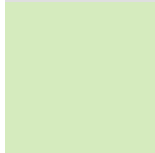
Original Color

62.4305, 84.7880, 34.9051



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

66.4432, 77.2805, 60.1299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.4305, 84.7880, 34.9051 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(195, 255, 132)` looks like.

```
.text, #text, p{  
    color:rgb(195, 255, 132)  
}
```

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(195, 255, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 255, 132) }
```

Border

The CSS property to change the border of an element to XYZ 62.4305, 84.7880, 34.9051 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(195, 255, 132) }
```


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

```
.border{ border-color:rgb(195, 255, 132) }
```

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

Here you see how a box with a 4 pixel rgb(195, 255, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 255, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 255, 132);  
box-shadow:4px 4px 4px 4px rgb(195, 255,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 62.4305, 84.7880, 34.9051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 255, 132) }
```

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

```
.background{ background-color: rgb(195,  
255, 132) }
```

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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