

Converting Colors

XYZ(64.9670, 85.4688, 42.2703)

Have a look what the booklet for
XYZ(64.9670, 85.4688, 42.2703)
contains.

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Color

**XYZ(64.8471, 85.3973,
42.3437)**

Conversions

Conversions Part 1	
Format	Color
Hex	C8FE97
RGB	200, 254, 151
RGB Percent	78%, 100%, 59%
CMY	0.2157, 0.0039, 0.4078
CMYK	0.21, 0.00, 0.41, 0.00
HSL	91°, 98%, 79%
HSV	91°, 41%, 100%
XYZ	64.8471, 85.3973, 42.3437
YIQ	226.1120, 0.8790, -43.4810

Conversions

Conversions Part 2

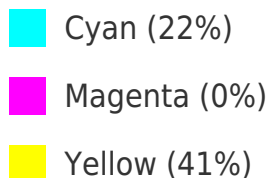
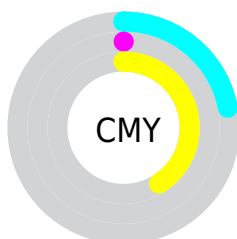
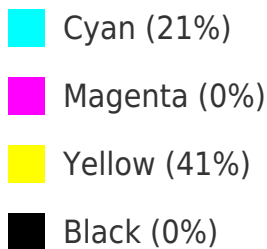
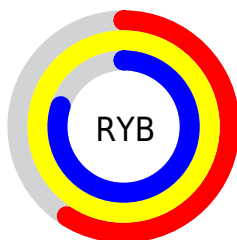
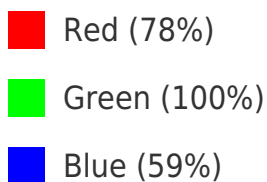
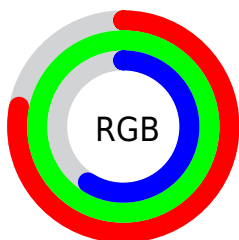
Format	Color
RYB	151, 254, 205
Decimal	13172375
CIELab	94.05, -34.20, 43.76
CIELCh	94, 55.543, 128.007
Yxy	85.3973, 0.3367, 0.4434
Android (android.graphics.Color)	4291362455 (0xFFC8FE97)
YUV	226.1120, -37.0302, -22.9002
Hunter-Lab	92.4107, -36.4603, 37.5201

Details

The XYZ color **64.8471, 85.3973, 42.3437** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **54.1365, 42.2706, 99.0764**, and the grayscale version is **72.6307, 76.4132, 83.2139**.

A 20% lighter version of the original color is **88.1406, 97.2362, 72.5155**, and **33.6725, 46.7436, 18.8030** is the 20% darker color. If you saturate the color by 10%, you get **59.5998, 82.9081, 32.4660**, and if you desaturate by 10%, it is **70.8530, 88.2315, 54.5800**.

Distribution





Brightness & Saturation

Gradients


These gradients show how the XYZ color 64.8471, 85.3973, 42.3437 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 64.8471, 85.3973, 42.3437 by changing the saturation by 10% instead.

 64.8471, 85.3973,
42.3437


 64.8471, 85.3973,
42.3437


431.7962,
512.9418, 371.7473

 47.6013, 64.1697,
29.0429


 110.8969,
140.9281, 79.9952

 33.7212, 46.7881,
18.8674


 140.4317,
176.0002, 105.1831

 22.8414, 32.8682,
11.3987

174.7936,
216.4558, 135.1704

 14.5965, 22.0255,
6.2181

214.3479,
262.6794, 170.3756

 8.6212, 13.8756,
2.9072

259.4599,
315.0554, 211.2174

 4.5500, 8.0342,
1.0475


310.4951,


 2.0178, 4.1169,


373.9682, 258.1143


0.0000


367.8187,
439.8022, 311.4847


 0.6439, 1.7391,
0.0000


 0.0000, 0.4488,
0.0000


 64.8471, 85.3973,
42.3437


 64.8471, 85.3973,
42.3437


 59.5998, 82.9081,
32.4660


 70.8530, 88.2315,
54.5800

 55.0680, 80.7371,
24.7893


 77.6449, 91.4139,
69.3079


 51.2134, 78.8709,
19.1454

 85.2564, 94.9617,
86.6572

 47.9906, 77.2904,
15.3394

 93.7172, 98.8875,
106.7469

 45.3464, 75.9732, 94.7336, 99.3672,
13.1385 108.7945

 43.3046, 74.9397,
12.1824

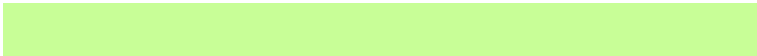
Harmonies

Analogous

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



77.2607, 85.3973, 33.2989



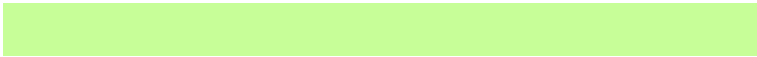
64.8471, 85.3973, 42.3437



57.4976, 85.3973, 65.6340

Triad

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



64.8471, 85.3973, 42.3437



70.9517, 85.3973, 191.1026



112.8006, 85.3973, 82.0670

Complementary

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



64.8471, 85.3973, 42.3437



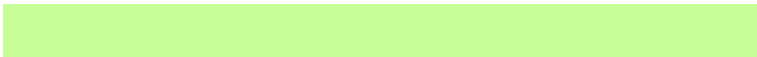
54.1365, 42.2706, 99.0764

Split Complementary

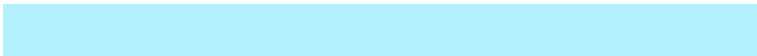
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.5777, 85.3973, 127.0365



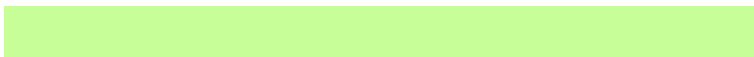
64.8471, 85.3973, 42.3437



85.2040, 85.3973, 199.5424

Square

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



64.8471, 85.3973, 42.3437



60.7115, 85.3973, 152.8683



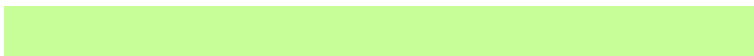
100.0195, 85.3973, 173.3005



105.7687, 85.3973, 51.2225

Rectangle

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



64.8471, 85.3973, 42.3437



55.8780, 85.3973, 90.1720



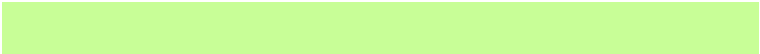
100.0195, 85.3973, 173.3005



113.1255, 85.3973, 95.8521

Sweetspot

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



64.8492, 85.4010, 42.3455



84.8507, 95.2666, 84.7220



68.1067, 66.5972, 38.5444



17.9399, 20.2878, 17.6225



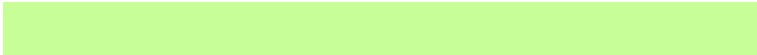
0.0000, 0.0000, 0.0000



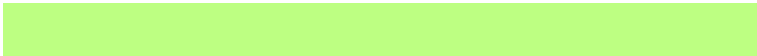
20.3446, 21.4041, 23.3091

Same Dimension

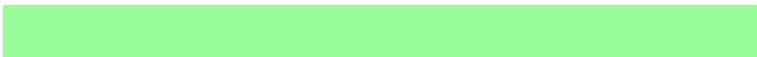
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.8492, 85.4010, 42.3455



60.9000, 84.0143, 34.1433



53.9333, 79.7574, 42.5679



18.5935, 20.5919, 19.1390



22.9974, 39.5937, 6.4303



2.3643, 3.9196, 0.6319

Inverse Universe

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



54.1365, 42.2706, 99.0764



48.6906, 34.8758, 98.7732



69.5587, 50.2527, 98.3692



17.9120, 17.8463, 22.7506



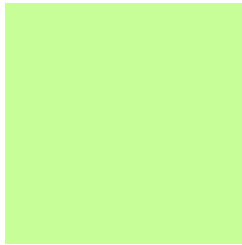
14.7174, 6.4976, 49.9131



1.5592, 0.6977, 4.8658

Previews

White Background



This preview shows how the XYZ color 64.8471, 85.3973, 42.3437 looks on a white background.

Color Contrast Check

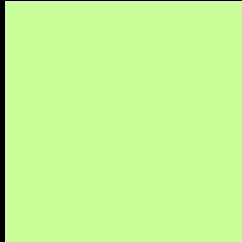
Large Text (above 18pt) WCAG AA × Fail

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 64.8471, 85.3973, 42.3437 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

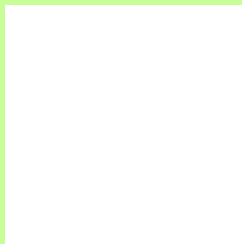
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.8471, 85.3973, 42.3437

Background



This preview shows how black text looks on a background with the XYZ color 64.8471, 85.3973, 42.3437.

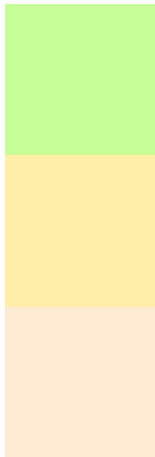


This preview shows how white text looks on a background with the XYZ color 64.8471, 85.3973,

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

64.8471, 85.3973, 42.3437

Protanopia

78.5921, 84.6555, 49.2437

Deuteranopia

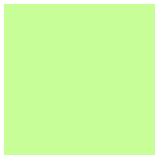
82.6731, 84.9097, 74.9827



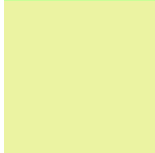
Tritanopia

79.0289, 84.9123, 106.8322

Trichromacy



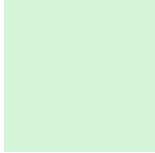
Original Color
64.8471, 85.3973, 42.3437



Protanomaly
72.8331, 84.3720, 46.6291

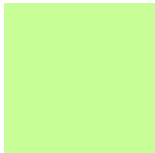


Deuteranomaly
75.0105, 84.2905, 61.0314

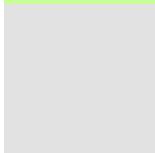


Tritanomaly
72.6174, 84.4607, 78.1208

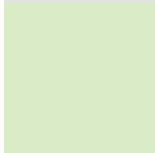
Monochromacy



Original Color
64.8471, 85.3973, 42.3437



Achromatopsia
72.2879, 76.0525, 82.8211



Achromatomaly
68.9195, 78.8661, 65.6231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8471, 85.3973, 42.3437 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(200, 254, 151)` looks like.

```
.text, #text, p{  
    color:rgb(200, 254, 151)  
}
```

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(200, 254, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 254, 151) }
```

Border

The CSS property to change the border of an element to XYZ 64.8471, 85.3973, 42.3437 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(200, 254, 151) }
```

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

```
.border{ border-color:rgb(200, 254, 151) }
```

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

Here you see how a box with a 4 pixel rgb(200, 254, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 254, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 254, 151);  
box-shadow:4px 4px 4px 4px rgb(200, 254,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8471, 85.3973, 42.3437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 254, 151) }
```

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

```
.background{ background-color: rgb(200,  
254, 151) }
```

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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