

Converting Colors

Yxy(83.9723, 0.3429, 0.4369)

Have a look what the booklet for
Yxy(83.9723, 0.3429, 0.4369)
contains.

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Color

Yxy(84.0481, 0.3424, 0.4369)

Conversions

Conversions Part 1

Format	Color
Hex	D0FA98
RGB	208, 250, 152
RGB Percent	82%, 98%, 60%
CMY	0.1843, 0.0196, 0.4039
CMYK	0.17, 0.00, 0.39, 0.02
HSL	86°, 91%, 79%
HSV	86°, 39%, 98%
XYZ	65.8688, 84.0481, 42.4569
YIQ	226.2700, 6.4260, -39.3820

Conversions

Conversions Part 2

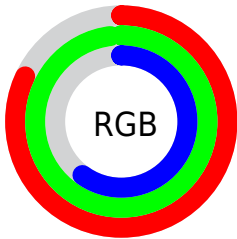
Format	Color
RYB	152, 250, 194
Decimal	13695640
CIELab	93.47, -29.39, 42.63
CIELCh	93, 51.779, 124.583
Yxy	84.0481, 0.3424, 0.4369
Android (android.graphics.Color)	4291885720 (0xFFD0FA98)
YUV	226.2700, -36.6151, -16.0228
Hunter-Lab	91.6778, -32.1871, 36.7166

Details

The Yxy color **84.0481, 0.3424, 0.4369** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.8274, 0.2710, 0.2181**, and the grayscale version is **76.5296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2850, 0.3412, 0.3760**, and **45.7162, 0.3468, 0.4627** is the 20% darker color. If you saturate the color by 10%, you get **81.8164, 0.3481, 0.4660**, and if you desaturate by 10%, it is **86.5647, 0.3355, 0.4076**.

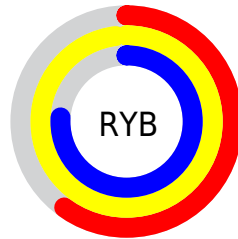
Distribution



Red (82%)

Green (98%)

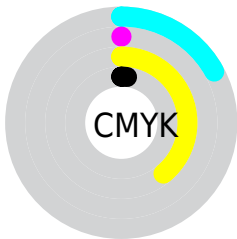
Blue (60%)



Red (60%)

Yellow (98%)

Blue (76%)

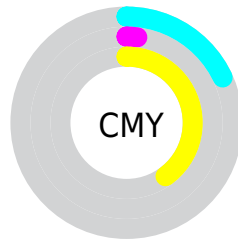


Cyan (17%)

Magenta (0%)

Yellow (39%)

Black (2%)



Cyan (18%)


Magenta (2%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0481, 0.3424, 0.4369 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 Yxy color 84.0481, 0.3424, 0.4369 by changing the saturation by 10% instead.


 84.0481, 0.3424,
0.4369

 84.0481, 0.3424,
0.4369


508.4730, 0.3308,
0.3863

 63.0551, 0.3444,
0.4484


 139.0425, 0.3389,
0.4193

 45.8858, 0.3466,
0.4625


 173.8127, 0.3373,
0.4125

 32.1557, 0.3488,
0.4803


213.9441, 0.3360,
0.4066

 21.4805, 0.3507,
0.5030

259.8211, 0.3347,
0.4015

 13.4757, 0.3515,
0.5328

311.8281, 0.3336,
0.3970

 7.7569, 0.3490,
0.5729

370.3494, 0.3326,

 3.9398, 0.3498,

0.3931

0.6502

435.7696, 0.3317,
0.3895

■ 1.6399, 0.2992,
0.7008

■ 0.3843, 0.0000,
1.0000

■ 84.0481, 0.3424,
0.4369

■ 84.0481, 0.3424,
0.4369

■ 81.8164, 0.3481,
0.4660

■ 86.5647, 0.3355,
0.4076

■ 79.8455, 0.3521,
0.4935

■ 89.3670, 0.3279,
0.3791

■ 78.1249, 0.3541,
0.5180

■ 92.4700, 0.3200,
0.3521

■ 76.6383, 0.3537,
0.5382

■ 95.8841, 0.3121,
0.3271

■ 75.3670, 0.3509,
0.5532

■ 96.8525, 0.3129,
0.3242

■ 74.2838, 0.3461,
0.5631

■ 74.2026, 0.3457,
0.5638

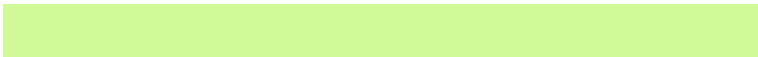
Harmonies

Analogous

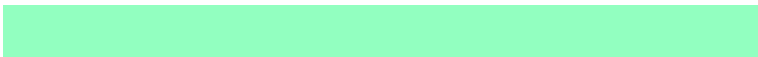
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0481, 0.3950, 0.4268



84.0481, 0.3424, 0.4369



84.0481, 0.2845, 0.4094

Triad

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



84.0481, 0.3424, 0.4369



84.0481, 0.2089, 0.2540



84.0481, 0.3913, 0.3015

Complementary

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



84.0481, 0.3424, 0.4369



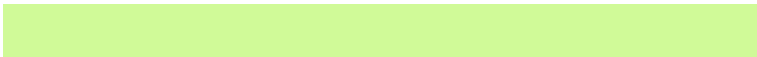
40.8274, 0.2710, 0.2181

Split Complementary

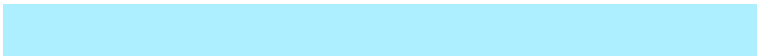
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0481, 0.3336, 0.2644



84.0481, 0.3424, 0.4369



84.0481, 0.2310, 0.2367

Square

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



84.0481, 0.3424, 0.4369



84.0481, 0.2107, 0.2944



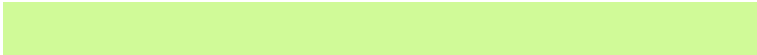
84.0481, 0.2749, 0.2412



84.0481, 0.4267, 0.3463

Rectangle

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



84.0481, 0.3424, 0.4369



84.0481, 0.2508, 0.3734



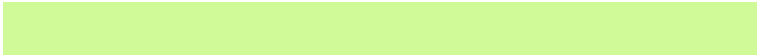
84.0481, 0.2749, 0.2412



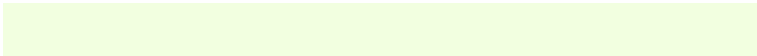
84.0481, 0.3735, 0.2879

Sweetspot

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



84.0518, 0.3424, 0.4369



95.7813, 0.3223, 0.3595



60.6588, 0.3938, 0.3725



20.4089, 0.3233, 0.3630



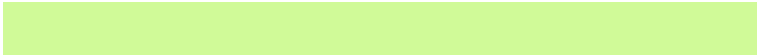
0.0000, 0.0000, 0.0000



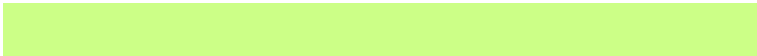
21.4041, 0.3127, 0.3290

Same Dimension

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



84.0518, 0.3424, 0.4369



86.0618, 0.3470, 0.4598



78.1306, 0.3118, 0.4479



19.7989, 0.3203, 0.3529



39.4453, 0.3468, 0.5629



3.7159, 0.3551, 0.5563

Inverse Universe

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



40.8274, 0.2710, 0.2181



35.0914, 0.2601, 0.1938



48.2077, 0.3104, 0.2300



17.0065, 0.3046, 0.3050



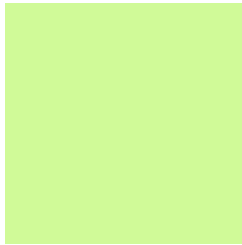
5.4036, 0.1891, 0.0815



0.5616, 0.2023, 0.0888

Previews

White Background



This preview shows how the Yxy color 84.0481, 0.3424, 0.4369 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 Yxy color 84.0481, 0.3424, 0.4369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

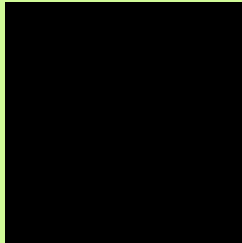
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.0481, 0.3424, 0.4369

Background



This preview shows how black text looks on a background with the Yxy color 84.0481, 0.3424, 0.4369.

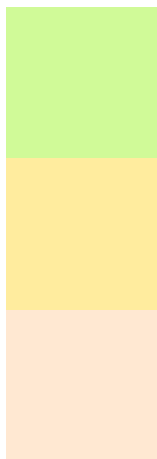


This preview shows how white text looks on a background with the Yxy color 84.0481, 0.3424, 0.4369.

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

84.0481, 0.3424, 0.4369

Protanopia

83.7195, 0.3766, 0.4073

Deuteranopia

83.6264, 0.3432, 0.3511



Tritanopia

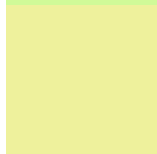
83.6357, 0.2936, 0.3106

Trichromacy



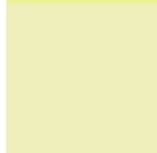
Original Color

84.0481, 0.3424, 0.4369



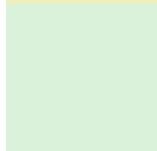
Protanomaly

83.4880, 0.3637, 0.4176



Deuteranomaly

83.5843, 0.3436, 0.3813



Tritanomaly

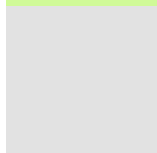
83.4716, 0.3115, 0.3546

Monochromacy



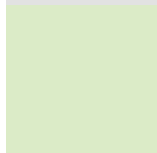
Original Color

84.0481, 0.3424, 0.4369



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.6003, 0.3244, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0481, 0.3424, 0.4369 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(208, 250, 152)` looks like.

```
.text, #text, p{  
    color:rgb(208, 250, 152)  
}
```

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(208, 250, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 250, 152) }
```

Border

The CSS property to change the border of an element to Yxy 84.0481, 0.3424, 0.4369 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(208, 250, 152) }
```

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

```
.border{ border-color:rgb(208, 250, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 250, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 250, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 250, 152);  
box-shadow:4px 4px 4px 4px rgb(208, 250,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0481, 0.3424, 0.4369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 250, 152) }
```

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

```
.background{ background-color: rgb(208,  
250, 152) }
```

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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