

Converting Colors

Yxy(81.4084, 0.3492, 0.4368)

Have a look what the booklet for
Yxy(81.4084, 0.3492, 0.4368)
contains.

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Color

Yxy(81.4084, 0.3492, 0.4368)

Conversions

Conversions Part 1

Format	Color
Hex	D4F593
RGB	212, 245, 147
RGB Percent	83%, 96%, 58%
CMY	0.1684, 0.0392, 0.4235
CMYK	0.13, 0.00, 0.40, 0.04
HSL	80°, 83%, 77%
HSV	80°, 40%, 96%
XYZ	65.0820, 81.4084, 39.8842
YIQ	223.9610, 11.7900, -37.4740

Conversions

Conversions Part 2

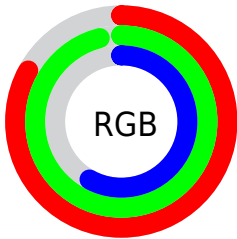
Format	Color
RYB	147, 245, 180
Decimal	13956499
CIELab	92.31, -26.17, 43.65
CIElCh	92, 50.888, 120.943
Yxy	81.4084, 0.3492, 0.4368
Android (android.graphics.Color)	4292146579 (0xFFD4F593)
YUV	223.9610, -37.9418, -10.4898
Hunter-Lab	90.2266, -29.1415, 36.9498

Details

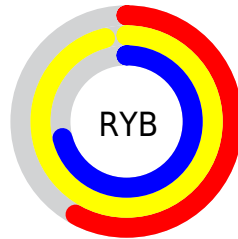
The Yxy color **81.4084, 0.3492, 0.4368** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **37.1533, 0.2627, 0.2135**, and the grayscale version is **74.7902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0443, 0.3442, 0.3810**, and **44.2893, 0.3545, 0.4621** is the 20% darker color. If you saturate the color by 10%, you get **79.5299, 0.3564, 0.4643**, and if you desaturate by 10%, it is **83.5203, 0.3408, 0.4086**.

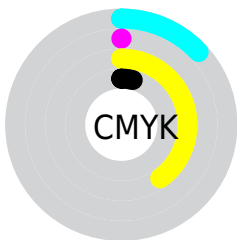
Distribution



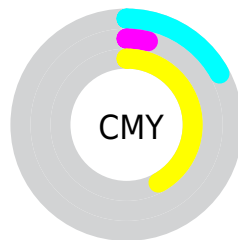
- Red (83%)
- Green (96%)
- Blue (58%)



- Red (58%)
- Yellow (96%)
- Blue (71%)



- Cyan (13%)
- Magenta (0%)
- Yellow (40%)
- Black (4%)





- Cyan (17%)
- Magenta (4%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.4084, 0.3492, 0.4368 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 81.4084, 0.3492, 0.4368 by changing the saturation by 10% instead.

 81.4084, 0.3492,
0.4368


 81.4084, 0.3492,
0.4368


499.6667, 0.3345,
0.3863

 60.8780, 0.3519,
0.4483


 135.3441, 0.3446,
0.4193

 44.1267, 0.3549,
0.4623


 169.5181, 0.3426,
0.4125

 30.7701, 0.3581,
0.4799

209.0089, 0.3409,
0.4066

 20.4239, 0.3612,
0.5024

254.2007, 0.3394,
0.4015

 12.7035, 0.3634,
0.5317

305.4780, 0.3379,
0.3970

 7.2247, 0.3626,
0.5707


363.2252, 0.3367,


 3.6030, 0.3616,


0.3930


0.6384


427.8266, 0.3355,
0.3895


 1.4541, 0.3112,
0.6888


 0.2561, 0.0000,
1.0000


 81.4084, 0.3492,
0.4368

 81.4084, 0.3492,
0.4368


 79.5299, 0.3564,
0.4643


 83.5203, 0.3408,
0.4086


 77.8626, 0.3619,
0.4899


 85.8652, 0.3316,
0.3808

 76.3974, 0.3652,
0.5123


 88.4565, 0.3221,
0.3541


 75.1200, 0.3659,
0.5304


 91.3032, 0.3127,
0.3290

 74.0134, 0.3642,
0.5435

 93.4451, 0.3120,
0.3194

 73.0501, 0.3604,
0.5521

 93.7800, 0.3132,
0.3194

 73.0501, 0.3604,
0.5521

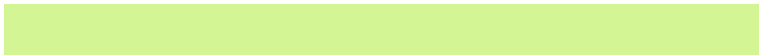
Harmonies

Analogous

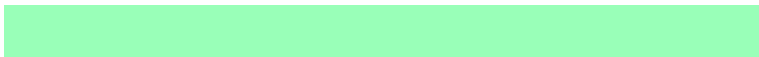
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4084, 0.3998, 0.4229



81.4084, 0.3492, 0.4368



81.4084, 0.2914, 0.4141

Triad

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



81.4084, 0.3492, 0.4368



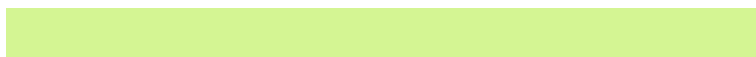
81.4084, 0.2084, 0.2581



81.4084, 0.3846, 0.2967

Complementary

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



81.4084, 0.3492, 0.4368



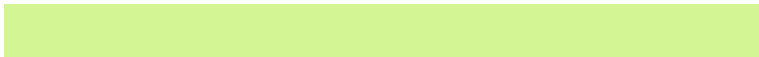
37.1533, 0.2627, 0.2135

Split Complementary

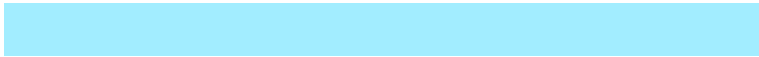
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.4084, 0.3261, 0.2611



81.4084, 0.3492, 0.4368



81.4084, 0.2276, 0.2382

Square

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



81.4084, 0.3492, 0.4368



81.4084, 0.2132, 0.3011



81.4084, 0.2688, 0.2402



81.4084, 0.4234, 0.3407

Rectangle

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



81.4084, 0.3492, 0.4368



81.4084, 0.2568, 0.3802



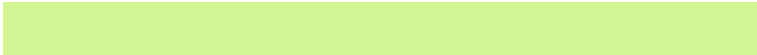
81.4084, 0.2688, 0.2402



81.4084, 0.3662, 0.2836

Sweetspot

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



81.4120, 0.3492, 0.4368



96.2850, 0.3241, 0.3594



54.0234, 0.3995, 0.3648



20.5276, 0.3253, 0.3628



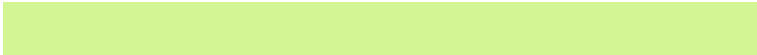
0.0000, 0.0000, 0.0000



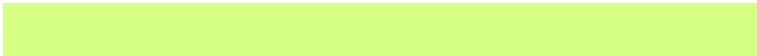
21.4041, 0.3127, 0.3290

Same Dimension

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



81.4120, 0.3492, 0.4368



87.4780, 0.3552, 0.4592



75.2277, 0.3167, 0.4487



19.0184, 0.3217, 0.3527



39.4355, 0.3613, 0.5513



3.5222, 0.3687, 0.5455

Inverse Universe

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



37.1533, 0.2627, 0.2135



32.8542, 0.2498, 0.1874



44.0603, 0.3033, 0.2260



16.1973, 0.3032, 0.3049



4.5939, 0.1748, 0.0737



0.4579, 0.1884, 0.0811

Previews

White Background



This preview shows how the Yxy color 81.4084, 0.3492, 0.4368 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 81.4084, 0.3492, 0.4368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

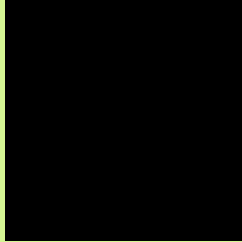
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.4084, 0.3492, 0.4368

Background



This preview shows how black text looks on a background with the Yxy color 81.4084, 0.3492, 0.4368.

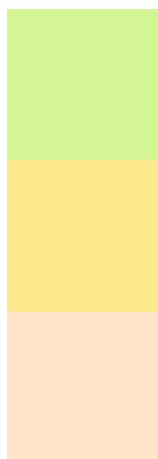


This preview shows how white text looks on a background with the Yxy color 81.4084, 0.3492, 0.4368.

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

81.4084, 0.3492, 0.4368

Protanopia

80.7371, 0.3874, 0.4192

Deuteranopia

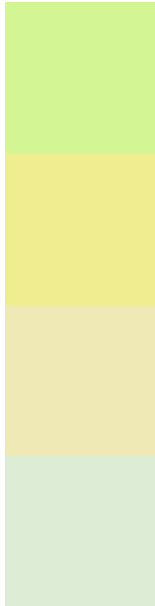
80.9639, 0.3501, 0.3564



Tritanopia

81.4116, 0.2972, 0.3105

Trichromacy



Original Color

81.4084, 0.3492, 0.4368

Protanomaly

80.9327, 0.3730, 0.4257

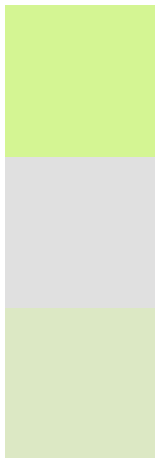
Deuteranomaly

80.5326, 0.3505, 0.3848

Tritanomaly

80.7446, 0.3169, 0.3548

Monochromacy



Original Color

81.4084, 0.3492, 0.4368

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

76.9144, 0.3274, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4084, 0.3492, 0.4368 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(212, 245, 147)` looks like.

```
.text, #text, p{  
    color:rgb(212, 245, 147)  
}
```

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(212, 245, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 245, 147) }
```

Border

The CSS property to change the border of an element to Yxy 81.4084, 0.3492, 0.4368 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(212, 245, 147) }
```

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

```
.border{ border-color:rgb(212, 245, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 245, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 245, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 245, 147); box-shadow:4px 4px 4px 4px rgb(212, 245, 147) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4084, 0.3492, 0.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 245, 147) }
```

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

```
.background{ background-color: rgb(212,  
245, 147) }
```

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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