

Converting Colors

$Yxy(82.3018, 0.3552, 0.4340)$

Have a look what the booklet for
Yxy(82.3018, 0.3552, 0.4340)
contains.

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Color

Yxy(82.0236, 0.3551, 0.4339)

Conversions

Conversions Part 1

Format	Color
Hex	DCF493
RGB	220, 244, 147
RGB Percent	86%, 96%, 58%
CMY	0.1373, 0.0431, 0.4236
CMYK	0.10, 0.00, 0.40, 0.04
HSL	75°, 82%, 77%
HSV	75°, 40%, 96%
XYZ	67.1274, 82.0236, 39.8870
YIQ	225.7660, 16.8330, -35.2550

Conversions

Conversions Part 2

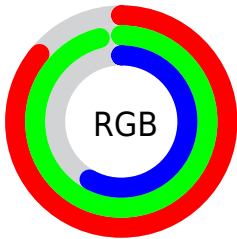
Format	Color
RYB	147, 244, 171
Decimal	14480531
CIELab	92.59, -22.77, 44.11
CIElCh	93, 49.641, 117.302
Yxy	82.0236, 0.3551, 0.4339
Android (android.graphics.Color)	4292670611 (0xFFDCE493)
YUV	225.7660, -38.8316, -5.0568
Hunter-Lab	90.5669, -26.1894, 37.2846

Details

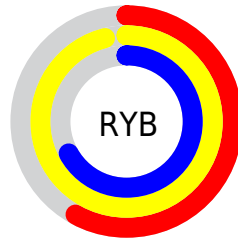
The Yxy color **82.0236, 0.3551, 0.4339** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **36.0505, 0.2564, 0.2122**, and the grayscale version is **76.1510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0443, 0.3442, 0.3810**, and **44.6852, 0.3622, 0.4577** is the 20% darker color. If you saturate the color by 10%, you get **80.4152, 0.3639, 0.4600**, and if you desaturate by 10%, it is **83.8359, 0.3450, 0.4068**.

Distribution



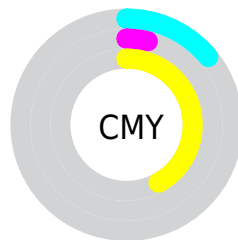
- Red (86%)
- Green (96%)
- Blue (58%)



- Red (58%)
- Yellow (96%)
- Blue (67%)



- Cyan (10%)
- Magenta (0%)
- Yellow (40%)
- Black (4%)





- Cyan (14%)
- Magenta (4%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.0236, 0.3551, 0.4339 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 82.0236, 0.3551, 0.4339 by changing the saturation by 10% instead.


 82.0236, 0.3551,
0.4339


 82.0236, 0.3551,
0.4339


501.7266, 0.3376,
0.3851

 61.3850, 0.3584,
0.4449

 136.2071, 0.3495,
0.4171

 44.5359, 0.3622,
0.4583


 170.5208, 0.3472,
0.4105

 31.0921, 0.3664,
0.4750


210.1616, 0.3452,
0.4048

 20.6690, 0.3708,
0.4961


255.5139, 0.3433,
0.3999

 12.8822, 0.3747,
0.5234

306.9622, 0.3417,
0.3955

 7.3475, 0.3764,
0.5594

364.8908, 0.3402,

 3.6804, 0.3793,

0.3916

0.6207

429.6842, 0.3388,
0.3882

■ 1.4964, 0.3393,
0.6607

■ 0.2862, 0.0000,
1.0000

■ 82.0236, 0.3551,
0.4339

■ 82.0236, 0.3551,
0.4339

■ 80.4152, 0.3639,
0.4600

■ 83.8359, 0.3450,
0.4068

■ 78.9889, 0.3710,
0.4840

■ 85.8508, 0.3343,
0.3797


■ 77.7365, 0.3759,
0.5047


■ 88.0811, 0.3233,
0.3534


■ 76.6444, 0.3782,
0.5211


■ 90.5353, 0.3125,
0.3284

 75.6966, 0.3780,
0.5327

 92.2878, 0.3101,
0.3184

 74.8670, 0.3755,
0.5400

 93.1880, 0.3132,
0.3185

 74.8484, 0.3754,
0.5401

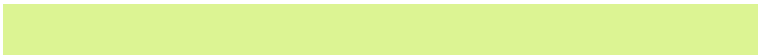
Harmonies

Analogous

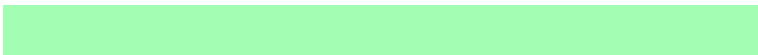
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0236, 0.4024, 0.4171



82.0236, 0.3551, 0.4339



82.0236, 0.2988, 0.4162

Triad

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



82.0236, 0.3551, 0.4339



82.0236, 0.2102, 0.2639



82.0236, 0.3764, 0.2928

Complementary

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



82.0236, 0.3551, 0.4339



36.0505, 0.2564, 0.2122

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.



82.0236, 0.3186, 0.2594



82.0236, 0.3551, 0.4339



82.0236, 0.2262, 0.2416

Square

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



82.0236, 0.3551, 0.4339



82.0236, 0.2178, 0.3084



82.0236, 0.2641, 0.2410



82.0236, 0.4174, 0.3352

Rectangle

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



82.0236, 0.3551, 0.4339



82.0236, 0.2640, 0.3855



82.0236, 0.2641, 0.2410



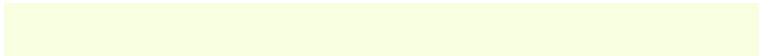
82.0236, 0.3580, 0.2803

Sweetspot

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



82.0273, 0.3551, 0.4339



96.7748, 0.3258, 0.3592



49.9473, 0.4032, 0.3541



20.6433, 0.3272, 0.3626



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.



82.0273, 0.3551, 0.4339



89.1608, 0.3626, 0.4558



75.6813, 0.3228, 0.4457



19.0949, 0.3230, 0.3527



40.7617, 0.3761, 0.5395



3.6304, 0.3818, 0.5351

Inverse Universe

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



36.0505, 0.2564, 0.2122



31.6623, 0.2416, 0.1844



42.3187, 0.2950, 0.2241



16.1249, 0.3018, 0.3048



4.1345, 0.1642, 0.0678



0.4097, 0.1764, 0.0745

Previews

White Background



This preview shows how the Yxy color 82.0236, 0.3551, 0.4339 looks on a white background.

Color Contrast Check

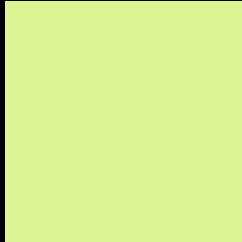
Large Text (above 18pt) WCAG AA × Fail

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 82.0236, 0.3551, 0.4339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

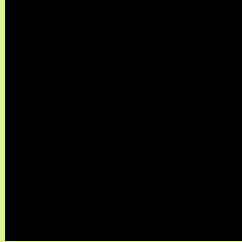
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.0236, 0.3551, 0.4339

Background



This preview shows how black text looks on a background with the Yxy color 82.0236, 0.3551, 0.4339.

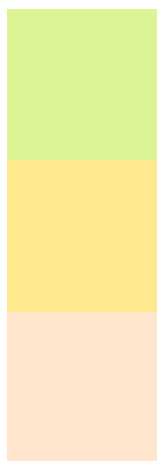


This preview shows how white text looks on a background with the Yxy color 82.0236, 0.3551, 0.4339.

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

82.0236, 0.3551, 0.4339

Protanopia

81.5210, 0.3871, 0.4189

Deuteranopia

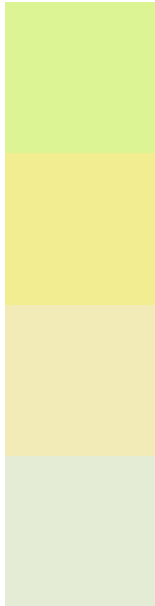
81.6104, 0.3485, 0.3553



Tritanopia

81.9390, 0.3023, 0.3107

Trichromacy



Original Color

82.0236, 0.3551, 0.4339

Protanomaly

81.4592, 0.3752, 0.4249

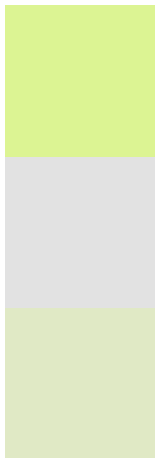
Deuteranomaly

81.1418, 0.3514, 0.3823

Tritanomaly

81.2890, 0.3217, 0.3534

Monochromacy



Original Color

82.0236, 0.3551, 0.4339

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

78.1563, 0.3295, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.0236, 0.3551, 0.4339 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(220, 244, 147)` looks like.

```
.text, #text, p{  
    color:rgb(220, 244, 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(220, 244, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 244, 147) }
```

Border

The CSS property to change the border of an element to Yxy 82.0236, 0.3551, 0.4339 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(220, 244, 147) }
```

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

```
.border{ border-color:rgb(220, 244, 147) }
```

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

Here you see how a box with a 4 pixel rgb(220, 244, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 244, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 244, 147);  
box-shadow:4px 4px 4px 4px rgb(220, 244,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 82.0236, 0.3551, 0.4339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 244, 147) }
```

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

```
.background{ background-color: rgb(220,  
244, 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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