

Converting Colors

$Y_{xy}(90.2136, 0.3565, 0.4391)$

Have a look what the booklet for
Yxy(90.2136, 0.3565, 0.4391)
contains.

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Color

Yxy(90.1839, 0.3564, 0.4392)

Conversions

Conversions Part 1

Format	Color
Hex	E4FF95
RGB	228, 255, 149
RGB Percent	89%, 100%, 58%
CMY	0.1058, 0.0000, 0.4158
CMYK	0.11, 0.00, 0.42, 0.00
HSL	75°, 100%, 79%
HSV	75°, 42%, 100%
XYZ	73.1820, 90.1839, 41.9708
YIQ	234.8430, 17.9340, -38.6900

Conversions

Conversions Part 2

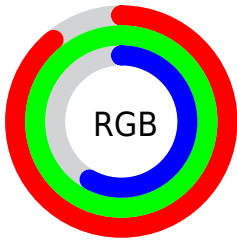
Format	Color
RYB	149, 255, 176
Decimal	15007637
CIELab	96.07, -24.80, 47.67
CIELCh	96, 53.739, 117.482
Yxy	90.1839, 0.3564, 0.4392
Android (android.graphics.Color)	4293197717 (0xFFE4FF95)
YUV	234.8430, -42.3206, -6.0013
Hunter-Lab	94.9652, -28.6336, 40.2718

Details

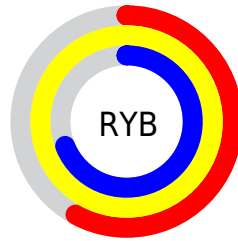
The Yxy color **90.1839, 0.3564, 0.4392** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **37.9306, 0.2536, 0.2060**, and the grayscale version is **83.2712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1396, 0.3430, 0.3790**, and **49.8906, 0.3633, 0.4636** is the 20% darker color. If you saturate the color by 10%, you get **88.4173, 0.3648, 0.4652**, and if you desaturate by 10%, it is **92.1729, 0.3466, 0.4120**.

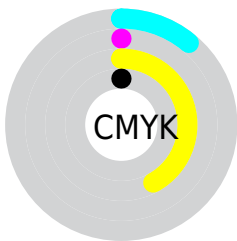
Distribution



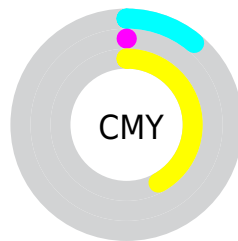
- Red (89%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (69%)



- Cyan (11%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.1839, 0.3564, 0.4392 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 90.1839, 0.3564, 0.4392 by changing the saturation by 10% instead.

 90.1839, 0.3564,
0.4392


 90.1839, 0.3564,
0.4392


528.6289, 0.3389,
0.3888

 68.1332, 0.3596,
0.4503


 147.5938, 0.3509,
0.4220

 50.0061, 0.3632,
0.4638


 183.7218, 0.3486,
0.4152

 35.4182, 0.3671,
0.4804


225.3110, 0.3466,
0.4093

 23.9852, 0.3711,
0.5011

272.7458, 0.3447,
0.4042

 15.3227, 0.3745,
0.5275

326.4106, 0.3430,
0.3997

 9.0462, 0.3755,
0.5614

386.6898, 0.3415,

 4.7713, 0.3794,

0.3957

0.6206

453.9677, 0.3401,
0.3921

■ 2.1137, 0.3444,
0.6556

■ 0.6723, 0.0476,
0.9524

■ 90.1839, 0.3564,
0.4392

■ 90.1839, 0.3564,
0.4392

■ 88.4173, 0.3648,
0.4652

■ 92.1729, 0.3466,
0.4120

■ 86.8544, 0.3714,
0.4888

■ 94.3890, 0.3361,
0.3847

■ 85.4839, 0.3757,
0.5089

■ 96.8446, 0.3252,
0.3581

■ 84.2902, 0.3774,
0.5245

■ 99.5494, 0.3144,
0.3328

■ 83.2544, 0.3765,
0.5353

100.0000, 0.3127,
0.3290

■ 82.4811, 0.3741,
0.5411

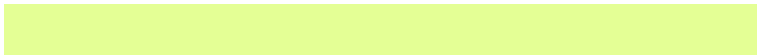
Harmonies

Analogous

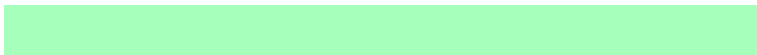
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1839, 0.4062, 0.4211



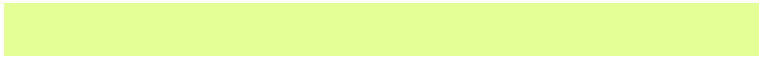
90.1839, 0.3564, 0.4392



90.1839, 0.2975, 0.4207

Triad

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



90.1839, 0.3564, 0.4392



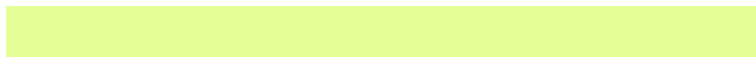
90.1839, 0.2058, 0.2605



90.1839, 0.3798, 0.2913

Complementary

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



90.1839, 0.3564, 0.4392



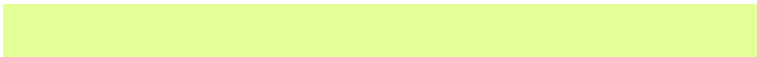
37.9306, 0.2536, 0.2060

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.



90.1839, 0.3191, 0.2566



90.1839, 0.3564, 0.4392



90.1839, 0.2225, 0.2376

Square

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



90.1839, 0.3564, 0.4392



90.1839, 0.2135, 0.3067



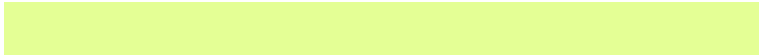
90.1839, 0.2621, 0.2373



90.1839, 0.4228, 0.3354

Rectangle

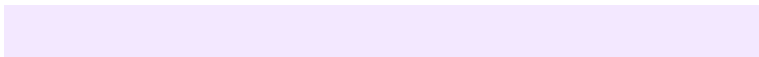
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.1839, 0.3564, 0.4392



90.1839, 0.2613, 0.3881



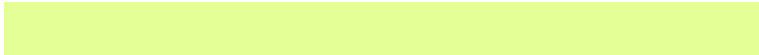
90.1839, 0.2621, 0.2373



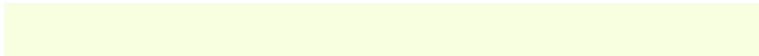
90.1839, 0.3604, 0.2783

Sweetspot

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



90.1860, 0.3564, 0.4392



96.7365, 0.3257, 0.3592



54.2757, 0.4085, 0.3571



20.6342, 0.3271, 0.3626



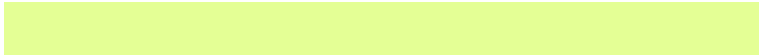
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

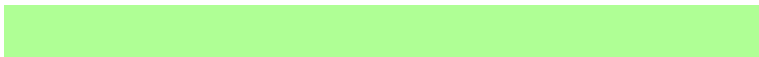
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1860, 0.3564, 0.4392



88.6826, 0.3636, 0.4612



82.8585, 0.3220, 0.4524



20.8444, 0.3230, 0.3528



43.1731, 0.3749, 0.5405



4.2556, 0.3801, 0.5364

Inverse Universe

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



37.9306, 0.2536, 0.2060



29.9962, 0.2386, 0.1781



45.2807, 0.2953, 0.2194



17.6011, 0.3018, 0.3047



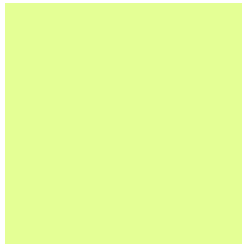
4.4174, 0.1648, 0.0681



0.4795, 0.1758, 0.0742

Previews

White Background



This preview shows how the Yxy color 90.1839, 0.3564, 0.4392 looks on a white background.

Color Contrast Check

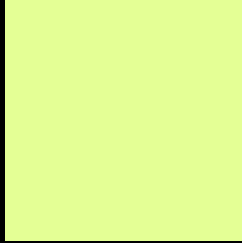
Large Text (above 18pt) WCAG AA × Fail

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 90.1839, 0.3564, 0.4392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

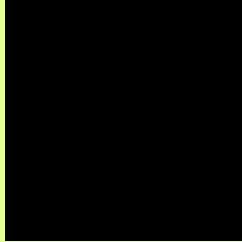
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.1839, 0.3564, 0.4392

Background



This preview shows how black text looks on a background with the Yxy color 90.1839, 0.3564, 0.4392.

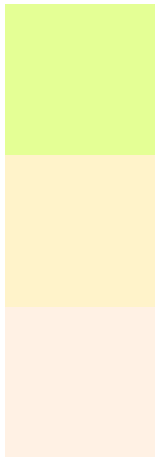


This preview shows how white text looks on a background with the Yxy color 90.1839, 0.3564, 0.4392.

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

90.1839, 0.3564, 0.4392

Protanopia

89.6255, 0.3464, 0.3699

Deuteranopia

89.7720, 0.3301, 0.3418



Tritanopia

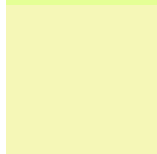
89.7789, 0.3056, 0.3162

Trichromacy



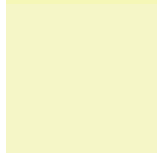
Original Color

90.1839, 0.3564, 0.4392



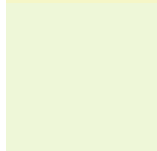
Protanomaly

89.3529, 0.3506, 0.3942



Deuteranomaly

89.4475, 0.3409, 0.3768



Tritanomaly

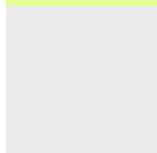
89.6565, 0.3255, 0.3607

Monochromacy



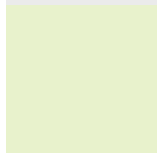
Original Color

90.1839, 0.3564, 0.4392



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

85.0197, 0.3294, 0.3689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.1839, 0.3564, 0.4392 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(228, 255, 149)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 149)  
}
```

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(228, 255, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 149) }
```

Border

The CSS property to change the border of an element to Yxy 90.1839, 0.3564, 0.4392 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(228, 255, 149) }
```

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

```
.border{ border-color:rgb(228, 255, 149) }
```

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

Here you see how a box with a 4 pixel rgb(228, 255, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 149);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 90.1839, 0.3564, 0.4392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 149) }
```

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

```
.background{ background-color: rgb(228,  
255, 149) }
```

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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