

# Converting Colors

$Yxy(79.5929, 0.3063, 0.4637)$

Have a look what the booklet for  
Yxy(79.5929, 0.3063, 0.4637)  
contains.

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**Color**

**Yxy(79.5841, 0.3064, 0.4640)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91FF91
RGB	145, 255, 145
RGB Percent	57%, 100%, 57%
CMY	0.4312, 0.0000, 0.4314
CMYK	0.43, 0.00, 0.43, 0.00
HSL	120°, 100%, 78%
HSV	120°, 43%, 100%
XYZ	52.5529, 79.5841, 39.3804
YIQ	209.5700, -30.2500, -57.5300

# Conversions

## Conversions Part 2

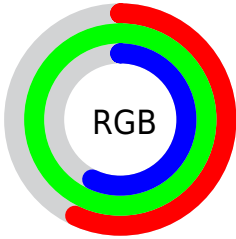
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">145, 255, 255</a>
Decimal	<a href="#">9568145</a>
CIELab	<a href="#">91.50, -52.97, 42.85</a>
CIELCh	<a href="#">91, 68.129, 141.032</a>
Yxy	<a href="#">79.5841, 0.3064, 0.4640</a>
Android (android.graphics.Color)	<a href="#">4287758225 (0xFF91FF91)</a>
YUV	<a href="#">209.5700, -31.8330, -56.6279</a>
Hunter-Lab	<a href="#">89.2099, -50.9642, 36.2742</a>

# Details

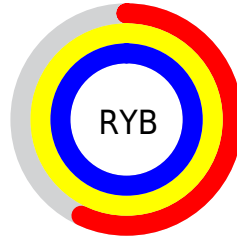
The Yxy color **79.5841, 0.3064, 0.4640** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **48.7260, 0.3177, 0.2230**, and the grayscale version is **64.3871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3866, 0.3117, 0.3891**, and **42.6836, 0.3013, 0.4997** is the 20% darker color. If you saturate the color by 10%, you get **76.8245, 0.3047, 0.5002**, and if you desaturate by 10%, it is **83.0465, 0.3081, 0.4282**.

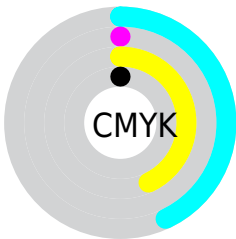
# Distribution



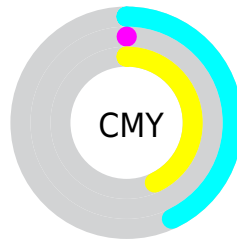
- Red (57%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)




- Cyan (43%)
- Magenta (0%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.5841, 0.3064, 0.4640 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 79.5841, 0.3064, 0.4640 by changing the saturation by 10% instead.





 79.5841, 0.3064,  
0.4640

 79.5841, 0.3064,  
0.4640


493.5301, 0.3121,  
0.3982

 59.3762, 0.3043,  
0.4796


 132.7808, 0.3090,  
0.4406

 42.9160, 0.3013,  
0.4992


 166.5384, 0.3098,  
0.4317

 29.8192, 0.2968,  
0.5242


205.5814, 0.3105,  
0.4241

 19.7014, 0.2898,  
0.5572

250.2941, 0.3110,  
0.4175

 12.1782, 0.2781,  
0.6019

301.0609, 0.3114,  
0.4117

 6.8651, 0.2574,  
0.6650


358.2662, 0.3117,


 3.3779, 0.2241,


0.4067


0.7759


422.2945, 0.3119,  
0.4022

 1.3321, 0.0000,  
1.0000


 0.1658, 0.0000,  
1.0000


 79.5841, 0.3064,  
0.4640


 79.5841, 0.3064,  
0.4640


 76.8245, 0.3047,  
0.5002


 83.0465, 0.3081,  
0.4282


 74.7105, 0.3031,  
0.5341

 87.2443, 0.3097,  
0.3944

 73.1925, 0.3018,  
0.5628

 92.2203, 0.3111,  
0.3638

 72.2093, 0.3008,  
0.5839

 98.0109, 0.3124,  
0.3368

■ 71.6863, 0.3002,  
0.5960

99.9997, 0.3127,  
0.3290

■ 71.5202, 0.3000,  
0.6000

# Harmonies

## Analogous

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



79.5841, 0.3817, 0.4725



79.5841, 0.3064, 0.4640



79.5841, 0.2369, 0.3991

# Triad

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



79.5841, 0.3064, 0.4640



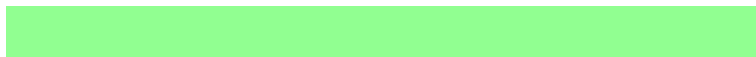
79.5841, 0.1909, 0.2153



79.5841, 0.4495, 0.3215

# Complementary

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



79.5841, 0.3064, 0.4640



48.7260, 0.3177, 0.2230

# 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.



79.5841, 0.3843, 0.2692



79.5841, 0.3064, 0.4640



79.5841, 0.2336, 0.2107

# Square

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



79.5841, 0.3064, 0.4640



79.5841, 0.1765, 0.2484



79.5841, 0.3025, 0.2300



79.5841, 0.4701, 0.3794



# Rectangle

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



79.5841, 0.3064, 0.4640



79.5841, 0.2032, 0.3412



79.5841, 0.3025, 0.2300



79.5841, 0.4317, 0.3031

# Sweetspot

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



79.5874, 0.3064, 0.4640



92.2934, 0.3111, 0.3634



93.6600, 0.3779, 0.4341



19.5042, 0.3108, 0.3699



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

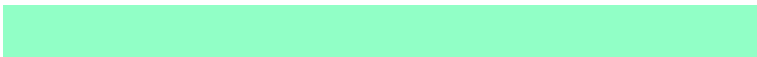
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.5874, 0.3064, 0.4640



77.1049, 0.3049, 0.4961



81.6250, 0.2805, 0.3972



20.1685, 0.3116, 0.3536



37.3711, 0.3000, 0.6000



3.6388, 0.3000, 0.6000



# Inverse Universe

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



48.7260, 0.3177, 0.2230



42.4899, 0.3185, 0.2042



45.7688, 0.3667, 0.2706



18.3001, 0.3138, 0.3056



14.8739, 0.3208, 0.1541

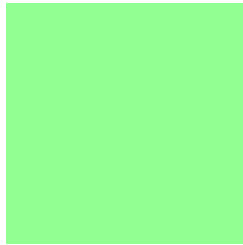


1.4483, 0.3209, 0.1541



# Previews

## White Background



This preview shows how the Yxy color 79.5841, 0.3064, 0.4640 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

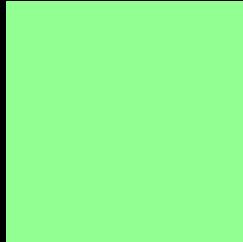
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.5841, 0.3064, 0.4640 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

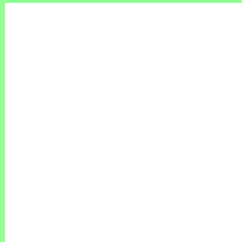
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.5841, 0.3064, 0.4640**

## Background



This preview shows how black text looks on a background with the Yxy color 79.5841, 0.3064, 0.4640.

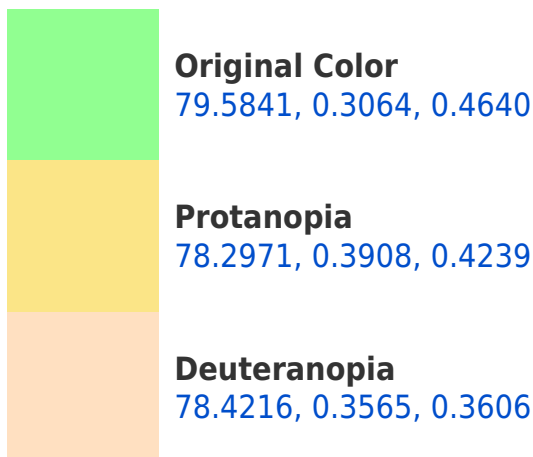


This preview shows how white text looks on a background with the Yxy color 79.5841, 0.3064, 0.4640.

# 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





## Tritanopia

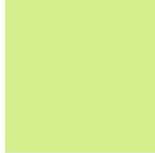
79.0203, 0.2698, 0.3114

# Trichromacy



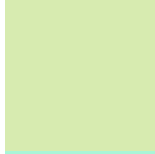
## Original Color

79.5841, 0.3064, 0.4640



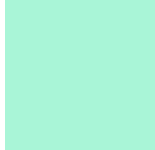
## Protanomaly

77.0102, 0.3557, 0.4391



## Deuteranomaly

76.9983, 0.3362, 0.3948



## Tritanomaly

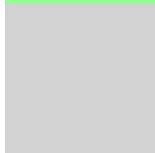
78.6461, 0.2835, 0.3638

# Monochromacy



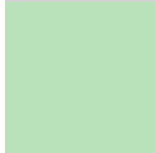
## Original Color

79.5841, 0.3064, 0.4640



## Achromatopsia

64.4480, 0.3127, 0.3290



## Achromatomaly

68.3770, 0.3105, 0.3770

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.5841, 0.3064, 0.4640 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(145, 255, 145)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 145)  
}
```

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(145, 255, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 79.5841, 0.3064, 0.4640 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(145, 255, 145) }
```

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

```
.border{ border-color:rgb(145, 255, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 255, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 145);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.5841, 0.3064, 0.4640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 255, 145) }
```

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

```
.background{ background-color: rgb(145,  
255, 145) }
```

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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