

# Converting Colors

$Yxy(75.9871, 0.3178, 0.4605)$

Have a look what the booklet for  
Yxy(75.9871, 0.3178, 0.4605)  
contains.

<b>Yxy(75.7859, 0.3174, 0.4600)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(75.7859, 0.3174, 0.4600)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FF78C
RGB	159, 247, 140
RGB Percent	62%, 97%, 55%
CMY	0.3764, 0.0314, 0.4511
CMYK	0.36, 0.00, 0.43, 0.03
HSL	109°, 87%, 76%
HSV	109°, 43%, 97%
XYZ	52.2923, 75.7859, 36.6738
YIQ	208.4900, -18.1010, -51.9330

# Conversions

## Conversions Part 2

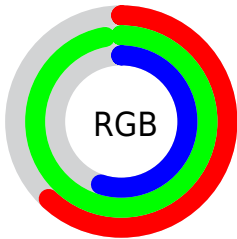
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 247, 228
Decimal	10483596
CIELab	89.76, -46.16, 43.19
CIELCh	90, 63.214, 136.902
Yxy	75.7859, 0.3174, 0.4600
Android (android.graphics.Color)	4288673676 (0xFF9FF78C)
YUV	208.4900, -33.7656, -43.4027
Hunter-Lab	87.0551, -45.1250, 35.9614

# Details

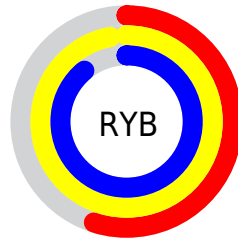
The Yxy color **75.7859, 0.3174, 0.4600** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **41.9557, 0.3011, 0.2172**, and the grayscale version is **63.6453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2118, 0.3233, 0.3930**, and **40.4151, 0.3148, 0.4937** is the 20% darker color. If you saturate the color by 10%, you get **73.2319, 0.3170, 0.4943**, and if you desaturate by 10%, it is **78.8510, 0.3170, 0.4260**.

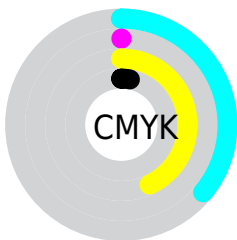
# Distribution



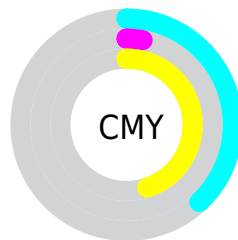
- Red (62%)
- Green (97%)
- Blue (55%)



- Red (55%)
- Yellow (97%)
- Blue (89%)



- Cyan (36%)
- Magenta (0%)
- Yellow (43%)
- Black (3%)




- Cyan (38%)
- Magenta (3%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7859, 0.3174, 0.4600 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 75.7859, 0.3174, 0.4600 by changing the saturation by 10% instead.




 75.7859, 0.3174,  
0.4600

 75.7859, 0.3174,  
0.4600

480.6145, 0.3180,  
0.3961


 56.2570, 0.3165,  
0.4752


 127.4242, 0.3182,  
0.4373

 40.4090, 0.3148,  
0.4942


 160.3024, 0.3184,  
0.4286

 27.8576, 0.3121,  
0.5186


 198.3991, 0.3184,  
0.4212

 18.2183, 0.3071,  
0.5507

242.0987, 0.3184,  
0.4148

 11.1068, 0.2978,  
0.5941

291.7857, 0.3183,  
0.4092

 6.1387, 0.2811,  
0.6581


347.8444, 0.3182,

 2.9296, 0.2463,


0.4043


0.7537


410.6592, 0.3181,  
0.3999


 1.0951, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 75.7859, 0.3174,  
0.4600


 75.7859, 0.3174,  
0.4600


 73.2319, 0.3170,  
0.4943


 78.8510, 0.3170,  
0.4260


 71.1516, 0.3158,  
0.5267

 82.4430, 0.3161,  
0.3936

 69.5177, 0.3136,  
0.5549

 86.5891, 0.3148,  
0.3639

 68.2960, 0.3106,  
0.5766

 91.3114, 0.3133,  
0.3372

■ 67.4469, 0.3071,  
0.5906

■ 95.0045, 0.3131,  
0.3214

■ 67.0581, 0.3049,  
0.5961

# Harmonies

## Analogous

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



75.7859, 0.3880, 0.4619



75.7859, 0.3174, 0.4600



75.7859, 0.2493, 0.4054

# Triad

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



75.7859, 0.3174, 0.4600



75.7859, 0.1932, 0.2237



75.7859, 0.4353, 0.3152

# Complementary

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



75.7859, 0.3174, 0.4600



41.9557, 0.3011, 0.2172

# Split Complementary

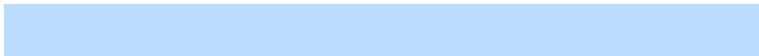
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.7859, 0.3701, 0.2662



75.7859, 0.3174, 0.4600



75.7859, 0.2306, 0.2154

# Square

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



75.7859, 0.3174, 0.4600



75.7859, 0.1832, 0.2599



75.7859, 0.2932, 0.2310



75.7859, 0.4618, 0.3703



# Rectangle

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



75.7859, 0.3174, 0.4600



75.7859, 0.2146, 0.3521



75.7859, 0.2932, 0.2310



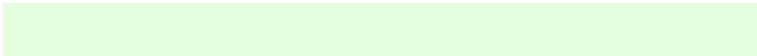
75.7859, 0.4168, 0.2978

# Sweetspot

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



75.7891, 0.3174, 0.4600



93.2381, 0.3148, 0.3631



76.8160, 0.3853, 0.4189



19.7337, 0.3151, 0.3694



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.



75.7891, 0.3174, 0.4600



79.0440, 0.3171, 0.4901



75.1490, 0.2895, 0.4207



18.6136, 0.3142, 0.3533



35.5060, 0.3056, 0.5955



3.1594, 0.3129, 0.5897



# Inverse Universe

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



41.9557, 0.3011, 0.2172



38.2969, 0.2976, 0.1960



43.3350, 0.3488, 0.2529



16.6106, 0.3109, 0.3055



10.3289, 0.2763, 0.1296

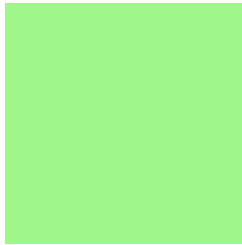


0.9459, 0.2822, 0.1328



# Previews

## White Background



This preview shows how the Yxy color 75.7859, 0.3174, 0.4600 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 75.7859, 0.3174, 0.4600 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

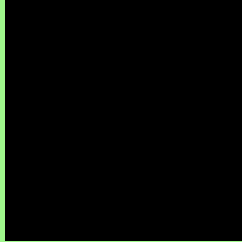
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.7859, 0.3174, 0.4600**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.7859, 0.3174, 0.4600.

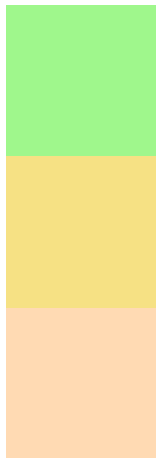


This preview shows how white text looks on a background with the Yxy color 75.7859, 0.3174, 0.4600.

# 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

75.7859, 0.3174, 0.4600

### Protanopia

75.1092, 0.3906, 0.4246

### Deuteranopia

74.6575, 0.3681, 0.3692



## Tritanopia

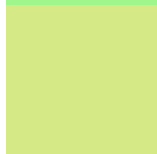
75.5212, 0.2680, 0.3079

# Trichromacy



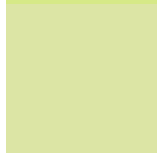
## Original Color

75.7859, 0.3174, 0.4600



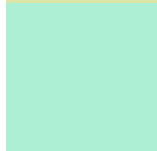
## Protanomaly

74.3232, 0.3611, 0.4382



## Deuteranomaly

73.9709, 0.3481, 0.4003



## Tritanomaly

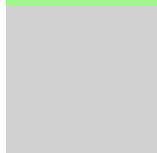
75.2571, 0.2864, 0.3606

# Monochromacy



## Original Color

75.7859, 0.3174, 0.4600



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

66.6086, 0.3154, 0.3758

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.7859, 0.3174, 0.4600 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(159, 247, 140)` looks like.

```
.text, #text, p{  
    color:rgb(159, 247, 140)  
}
```

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(159, 247, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 247, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 75.7859, 0.3174, 0.4600 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(159, 247, 140) }
```

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

```
.border{ border-color:rgb(159, 247, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 247, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 247, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 247, 140);  
box-shadow:4px 4px 4px 4px rgb(159, 247,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.7859, 0.3174, 0.4600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 247, 140) }
```

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

```
.background{ background-color: rgb(159,  
247, 140) }
```

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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