

# Converting Colors

$Yxy(71.9097, 0.3481, 0.4788)$

Have a look what the booklet for  
Yxy(71.9097, 0.3481, 0.4788)  
contains.

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**Color**

**Yxy(71.9782, 0.3479, 0.4796)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4EE6E
RGB	180, 238, 110
RGB Percent	71%, 93%, 43%
CMY	0.2941, 0.0667, 0.5687
CMYK	0.24, 0.00, 0.54, 0.07
HSL	87°, 79%, 68%
HSV	87°, 54%, 93%
XYZ	52.2127, 71.9782, 25.8887
YIQ	206.0660, 6.5200, -52.1040

# Conversions

## Conversions Part 2

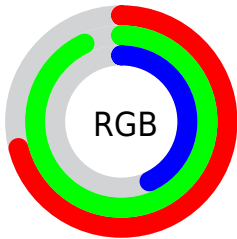
Format	Color
<a href="#">RYB</a>	<a href="#">110, 238, 168</a>
Decimal	<a href="#">11857518</a>
CIELab	<a href="#">87.96, -38.60, 55.34</a>
CIELCh	<a href="#">88, 67.468, 124.898</a>
Yxy	<a href="#">71.9782, 0.3479, 0.4796</a>
Android (android.graphics.Color)	<a href="#">4290047598 (0xFFB4EE6E)</a>
YUV	<a href="#">206.0660, -47.3605, -22.8599</a>
Hunter-Lab	<a href="#">84.8400, -38.6164, 41.2958</a>

# Details

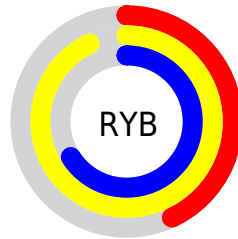
The Yxy color **71.9782, 0.3479, 0.4796** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **25.6453, 0.2533, 0.1748**, and the grayscale version is **62.0742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4138, 0.3544, 0.4209**, and **38.0265, 0.3504, 0.5173** is the 20% darker color. If you saturate the color by 10%, you get **70.2865, 0.3507, 0.5064**, and if you desaturate by 10%, it is **73.9161, 0.3433, 0.4507**.

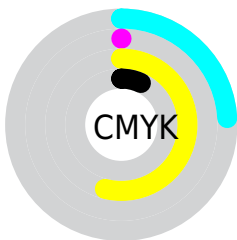
# Distribution



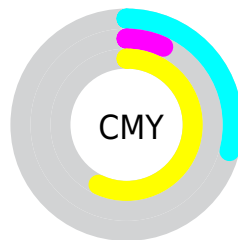
- Red (71%)
- Green (93%)
- Blue (43%)



- Red (43%)
- Yellow (93%)
- Blue (66%)



- Cyan (24%)
- Magenta (0%)
- Yellow (54%)
- Black (7%)




- Cyan (29%)
- Magenta (7%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9782, 0.3479, 0.4796 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 71.9782, 0.3479, 0.4796 by changing the saturation by 10% instead.





 71.9782, 0.3479,  
0.4796


 71.9782, 0.3479,  
0.4796


467.4657, 0.3356,  
0.4069


 53.1409, 0.3493,  
0.4964


 122.0255, 0.3447,  
0.4541

 37.9152, 0.3503,  
0.5170

 154.0043, 0.3431,  
0.4442

 25.9169, 0.3502,  
0.5427


 191.1324, 0.3416,  
0.4358

 16.7615, 0.3476,  
0.5750

233.7941, 0.3402,  
0.4284

 10.0646, 0.3400,  
0.6167

282.3740, 0.3389,  
0.4220

 5.4418, 0.3243,  
0.6757


337.2562, 0.3377,

 2.5087, 0.2750,


0.4164


0.7250


398.8253, 0.3366,  
0.4114


 0.8810, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 71.9782, 0.3479,  
0.4796


 71.9782, 0.3479,  
0.4796


 70.2865, 0.3507,  
0.5064


 73.9161, 0.3433,  
0.4507


 68.8178, 0.3512,  
0.5296


 76.1030, 0.3373,  
0.4212

 67.5597, 0.3495,  
0.5479

 78.5535, 0.3305,  
0.3921

 66.4936, 0.3454,  
0.5608

 81.2781, 0.3231,  
0.3643

 65.9117, 0.3422,  
0.5665

 84.2867, 0.3156,  
0.3383

 87.5886, 0.3081,  
0.3144

 89.6312, 0.3135,  
0.3127

# Harmonies

## Analogous

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



71.9782, 0.4194, 0.4587



71.9782, 0.3479, 0.4796



71.9782, 0.2711, 0.4428

# Triad

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



71.9782, 0.3479, 0.4796



71.9782, 0.1770, 0.2270



71.9782, 0.4211, 0.2913

# Complementary

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



71.9782, 0.3479, 0.4796



25.6453, 0.2533, 0.1748

# 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.



71.9782, 0.3408, 0.2443



71.9782, 0.3479, 0.4796



71.9782, 0.2050, 0.2075

# Square

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



71.9782, 0.3479, 0.4796



71.9782, 0.1781, 0.2782



71.9782, 0.2614, 0.2147



71.9782, 0.4690, 0.3480



# Rectangle

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



71.9782, 0.3479, 0.4796



71.9782, 0.2274, 0.3896



71.9782, 0.2614, 0.2147



71.9782, 0.3963, 0.2742

# Sweetspot

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



71.9814, 0.3479, 0.4796



94.3068, 0.3248, 0.3704



47.1593, 0.4324, 0.3921



20.0422, 0.3263, 0.3761



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.



71.9814, 0.3479, 0.4796



81.9384, 0.3509, 0.5100



66.0164, 0.3079, 0.5001



18.0824, 0.3198, 0.3528



36.8488, 0.3433, 0.5657



3.1245, 0.3527, 0.5581



# Inverse Universe

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



25.6453, 0.2533, 0.1748



22.3348, 0.2368, 0.1429



34.4120, 0.3126, 0.1986



15.5794, 0.3051, 0.3051



5.2908, 0.1936, 0.0840



0.4985, 0.2081, 0.0920



# Previews

## White Background



This preview shows how the Yxy color 71.9782, 0.3479, 0.4796 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

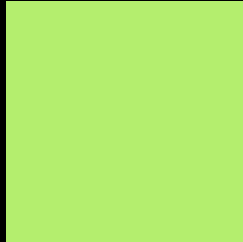
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.9782, 0.3479, 0.4796 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

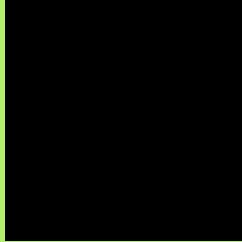
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.9782, 0.3479, 0.4796**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.9782, 0.3479, 0.4796.



This preview shows how white text looks on a background with the Yxy color 71.9782, 0.3479, 0.4796.

# 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

71.9782, 0.3479, 0.4796

### Protanopia

71.4190, 0.4081, 0.4457

### Deuteranopia

71.3171, 0.3851, 0.3857



## Tritanopia

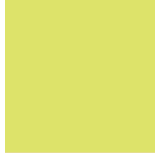
71.7279, 0.2843, 0.3091

# Trichromacy



## Original Color

71.9782, 0.3479, 0.4796



## Protanomaly

71.3509, 0.3852, 0.4589



## Deuteranomaly

70.6596, 0.3721, 0.4178



## Tritanomaly

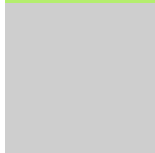
71.0100, 0.3088, 0.3701

# Monochromacy



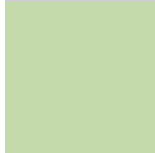
## Original Color

71.9782, 0.3479, 0.4796



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

64.9534, 0.3290, 0.3854

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.9782, 0.3479, 0.4796 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(180, 238, 110)` looks like.

```
.text, #text, p{  
    color:rgb(180, 238, 110)  
}
```

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(180, 238, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 238, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 71.9782, 0.3479, 0.4796 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(180, 238, 110) }
```

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

```
.border{ border-color:rgb(180, 238, 110) }
```

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

Here you see how a box with a 4 pixel rgb(180, 238, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 238, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 238, 110);  
box-shadow:4px 4px 4px 4px rgb(180, 238,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.9782, 0.3479, 0.4796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 238, 110) }
```

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

```
.background{ background-color: rgb(180,  
238, 110) }
```

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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