

# Converting Colors

$Y_{xy}(79.0153, 0.3660, 0.4306)$

Have a look what the booklet for  
Yxy(79.0153, 0.3660, 0.4306)  
contains.

<b>Yxy(79.0153, 0.3660, 0.4306)</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(79.0153, 0.3660, 0.4306)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4ED8E
RGB	228, 237, 142
RGB Percent	89%, 93%, 56%
CMY	0.1059, 0.0706, 0.4429
CMYK	0.04, 0.00, 0.40, 0.07
HSL	66°, 73%, 74%
HSV	66°, 40%, 93%
XYZ	67.1612, 79.0153, 37.3240
YIQ	223.4790, 25.1310, -31.4530

# Conversions

## Conversions Part 2

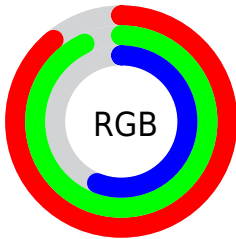
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 237, 151
Decimal	15003022
CIELab	91.24, -16.90, 44.93
CIELCh	91, 48.001, 110.616
Yxy	79.0153, 0.3660, 0.4306
Android (android.graphics.Color)	4293193102 (0xFFE4ED8E)
YUV	223.4790, -40.1691, 3.9649
Hunter-Lab	88.8906, -20.6930, 37.3283

# Details

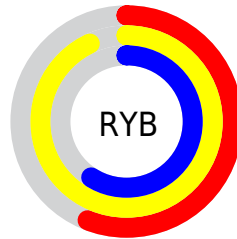
The Yxy color **79.0153, 0.3660, 0.4306** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **32.0645, 0.2449, 0.2080**, and the grayscale version is **74.4322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8112, 0.3472, 0.3860**, and **42.4439, 0.3756, 0.4534** is the 20% darker color. If you saturate the color by 10%, you get **78.0147, 0.3776, 0.4542**, and if you desaturate by 10%, it is **80.1792, 0.3532, 0.4054**.

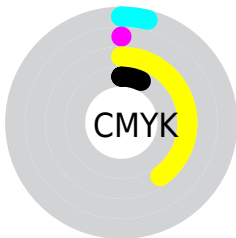
# Distribution



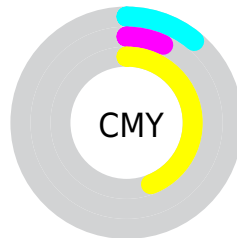
- Red (89%)
- Green (93%)
- Blue (56%)



- Red (56%)
- Yellow (93%)
- Blue (59%)



- Cyan (4%)
- Magenta (0%)
- Yellow (40%)
- Black (7%)




- Cyan (11%)
- Magenta (7%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.0153, 0.3660, 0.4306 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 79.0153, 0.3660, 0.4306 by changing the saturation by 10% instead.





 79.0153, 0.3660,  
0.4306

 79.0153, 0.3660,  
0.4306


491.6081, 0.3433,  
0.3836

 58.9084, 0.3705,  
0.4411

 131.9804, 0.3586,  
0.4145

 42.5394, 0.3757,  
0.4538


 165.6074, 0.3556,  
0.4081

 29.5239, 0.3817,  
0.4695


204.5098, 0.3529,  
0.4026

 19.4775, 0.3883,  
0.4893

249.0722, 0.3506,  
0.3979

 12.0158, 0.3951,  
0.5143

299.6788, 0.3485,  
0.3937

 6.7544, 0.4015,  
0.5478

356.7140, 0.3466,

 3.3090, 0.4050,

0.3899

0.5950

420.5623, 0.3449,  
0.3866

■ 1.2951, 0.3729,  
0.6271

■ 0.1374, 0.0000,  
1.0000

■ 79.0153, 0.3660,  
0.4306

■ 79.0153, 0.3660,  
0.4306

■ 78.0147, 0.3776,  
0.4542

■ 80.1792, 0.3532,  
0.4054

■ 77.1570, 0.3874,  
0.4751


■ 81.5045, 0.3397,  
0.3795


■ 76.4350, 0.3950,  
0.4924


■ 83.0030, 0.3261,  
0.3539

■ 75.8363, 0.4000,  
0.5054


■ 84.6823, 0.3128,  
0.3292


 75.3462, 0.4023,  
0.5140


 86.1862, 0.3033,  
0.3111

 74.9420, 0.4025,  
0.5186

 86.5812, 0.3047,  
0.3112

 86.9811, 0.3062,  
0.3113

 87.3859, 0.3077,  
0.3114

 87.7957, 0.3091,  
0.3114

# Harmonies

## Analogous

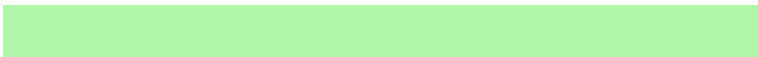
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0153, 0.4084, 0.4085



79.0153, 0.3660, 0.4306



79.0153, 0.3115, 0.4212

# Triad

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



79.0153, 0.3660, 0.4306



79.0153, 0.2117, 0.2733



79.0153, 0.3632, 0.2852

# Complementary

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



79.0153, 0.3660, 0.4306



32.0645, 0.2449, 0.2080

# 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.



79.0153, 0.3058, 0.2552



79.0153, 0.3660, 0.4306



79.0153, 0.2224, 0.2462

# Square

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



79.0153, 0.3660, 0.4306



79.0153, 0.2245, 0.3210



79.0153, 0.2551, 0.2410



79.0153, 0.4086, 0.3255



# Rectangle

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



79.0153, 0.3660, 0.4306



79.0153, 0.2759, 0.3955



79.0153, 0.2551, 0.2410



79.0153, 0.3444, 0.2737

# Sweetspot

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



79.0189, 0.3660, 0.4306



97.6362, 0.3288, 0.3589



41.7633, 0.4107, 0.3382



20.8471, 0.3306, 0.3623



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.



79.0189, 0.3660, 0.4306



92.3228, 0.3755, 0.4500



72.4262, 0.3325, 0.4429



17.5500, 0.3253, 0.3524



40.9442, 0.4028, 0.5184



3.2363, 0.4052, 0.5165



# Inverse Universe

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



32.0645, 0.2449, 0.2080



29.8359, 0.2283, 0.1796



37.4080, 0.2825, 0.2196



14.6174, 0.2994, 0.3047



3.4593, 0.1532, 0.0618

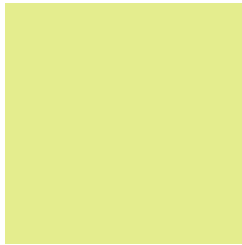


0.2950, 0.1609, 0.0660



# Previews

## White Background



This preview shows how the Yxy color 79.0153, 0.3660, 0.4306 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

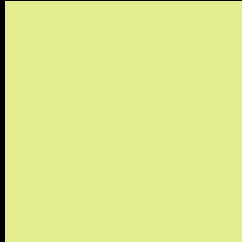
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.0153, 0.3660, 0.4306 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

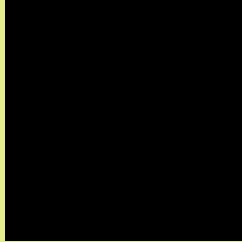
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.0153, 0.3660, 0.4306**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.0153, 0.3660, 0.4306.



This preview shows how white text looks on a background with the Yxy color 79.0153, 0.3660, 0.4306.

# 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

79.0153, 0.3660, 0.4306

### Protanopia

78.9669, 0.3879, 0.4211

### Deuteranopia

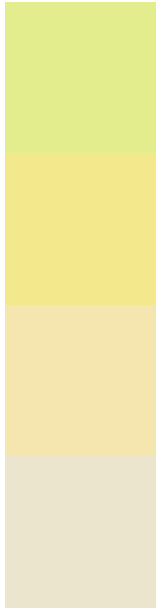
78.9607, 0.3563, 0.3616



## Tritanopia

78.8468, 0.3115, 0.3107

# Trichromacy



**Original Color**

79.0153, 0.3660, 0.4306

**Protanomaly**

79.2260, 0.3800, 0.4250

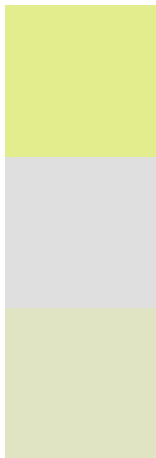
**Deuteranomaly**

78.5071, 0.3609, 0.3864

**Tritanomaly**

78.3277, 0.3327, 0.3533

# Monochromacy



**Original Color**

79.0153, 0.3660, 0.4306

**Achromatopsia**

73.7910, 0.3127, 0.3290

**Achromatomaly**

75.3894, 0.3328, 0.3661

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.0153, 0.3660, 0.4306 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, 237, 142)` looks like.

```
.text, #text, p{  
    color:rgb(228, 237, 142)  
}
```

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, 237, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 237, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 79.0153, 0.3660, 0.4306 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, 237, 142) }
```

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

```
.border{ border-color:rgb(228, 237, 142) }
```

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

Here you see how a box with a 4 pixel rgb(228, 237, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 237, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 237, 142);  
box-shadow:4px 4px 4px 4px rgb(228, 237,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.0153, 0.3660, 0.4306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 237, 142) }
```

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

```
.background{ background-color: rgb(228,  
237, 142) }
```

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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