

# Converting Colors

$Y_{xy}(43.1480, 0.2873, 0.3792)$

Have a look what the booklet for  
Yxy(43.1480, 0.2873, 0.3792)  
contains.

<b>Yxy(43.2311, 0.2875, 0.3789)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(43.2311, 0.2875, 0.3789)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EBD9C
RGB	126, 189, 156
RGB Percent	49%, 74%, 61%
CMY	0.5058, 0.2588, 0.3883
CMYK	0.33, 0.00, 0.17, 0.26
HSL	149°, 32%, 62%
HSV	149°, 33%, 74%
XYZ	32.8027, 43.2311, 38.0625
YIQ	166.4010, -26.9550, -23.6190

# Conversions

## Conversions Part 2

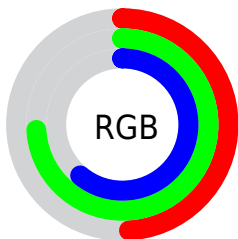
Format	Color
<a href="#">RYB</a>	<a href="#">126, 169, 189</a>
Decimal	<a href="#">8306076</a>
CIELab	<a href="#">71.71, -27.35, 10.34</a>
CIElCh	<a href="#">72, 29.236, 159.292</a>
Yxy	<a href="#">43.2311, 0.2875, 0.3789</a>
Android (android.graphics.Color)	<a href="#">4286496156 (0xFF7EBD9C)</a>
YUV	<a href="#">166.4010, -5.1277, -35.4317</a>
Hunter-Lab	<a href="#">65.7504, -26.0099, 11.7026</a>

# Details

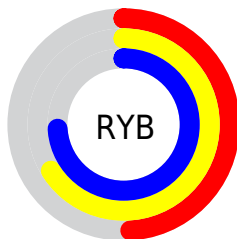
The Yxy color **43.2311, 0.2875, 0.3789** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.2478, 0.3492, 0.2842**, and the grayscale version is **38.3739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3180, 0.2919, 0.3690**, and **19.8037, 0.2791, 0.3938** is the 20% darker color. If you saturate the color by 10%, you get **41.6071, 0.2812, 0.3971**, and if you desaturate by 10%, it is **45.1575, 0.2946, 0.3621**.

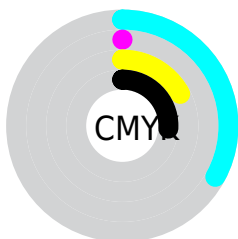
# Distribution



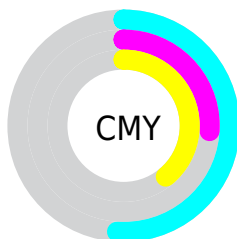
- Red (49%)
- Green (74%)
- Blue (61%)



- Red (49%)
- Yellow (66%)
- Blue (74%)



- Cyan (33%)
- Magenta (0%)
- Yellow (17%)
- Black (26%)




- Cyan (51%)
- Magenta (26%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.2311, 0.2875, 0.3789 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 43.2311, 0.2875, 0.3789 by changing the saturation by 10% instead.





 43.2311, 0.2875,  
0.3789


 43.2311, 0.2875,  
0.3789


359.5613, 0.3007,  
0.3528


 30.0665, 0.2840,  
0.3858


 80.0595, 0.2924,  
0.3691

 19.8891, 0.2794,  
0.3949


 104.4920, 0.2942,  
0.3655

 12.3144, 0.2731,  
0.4076


 133.4494, 0.2957,  
0.3625

 6.9582, 0.2639,  
0.4260

167.3158, 0.2970,  
0.3600

 3.4360, 0.2492,  
0.4557

206.4759, 0.2981,  
0.3578

 1.3634, 0.2158,  
0.5210

251.3139, 0.2991,

 0.1895, 0.0000,

0.3559

1.0000

302.2142, 0.2999,  
0.3543

0.0000, 0.0000,  
0.0000

43.2311, 0.2875,  
0.3789

43.2311, 0.2875,  
0.3789

41.6071, 0.2812,  
0.3971

45.1575, 0.2946,  
0.3621

40.2641, 0.2761,  
0.4164

47.3957, 0.3022,  
0.3469

39.1865, 0.2725,  
0.4366


49.9611, 0.3101,  
0.3332

38.3546, 0.2706,  
0.4571


52.8669, 0.3180,  
0.3210


37.7460, 0.2707,  
0.4774

56.1250, 0.3259,  
0.3103


 37.3339, 0.2727,  
0.4967

 59.7472, 0.3336,  
0.3008

 37.1338, 0.2747,  
0.5090

 63.1107, 0.3383,  
0.2922

 63.6682, 0.3306,  
0.2826

 64.2576, 0.3230,  
0.2733

# Harmonies

## Analogous

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



43.2311, 0.3287, 0.4021



43.2311, 0.2875, 0.3789



43.2311, 0.2545, 0.3398

# Triad

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



43.2311, 0.2875, 0.3789



43.2311, 0.2579, 0.2614



43.2311, 0.3946, 0.3487

# Complementary

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



43.2311, 0.2875, 0.3789



28.2478, 0.3492, 0.2842

# 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.



43.2311, 0.3732, 0.3149



43.2311, 0.2875, 0.3789



43.2311, 0.2924, 0.2666

# Square

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



43.2311, 0.2875, 0.3789



43.2311, 0.2385, 0.2727



43.2311, 0.3349, 0.2857



43.2311, 0.3920, 0.3804



# Rectangle

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



43.2311, 0.2875, 0.3789



43.2311, 0.2410, 0.3126



43.2311, 0.3349, 0.2857



43.2311, 0.3900, 0.3374

# Sweetspot

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



43.2329, 0.2875, 0.3789



86.2740, 0.3047, 0.3424



45.3363, 0.3360, 0.4186



18.4186, 0.3036, 0.3444



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



43.2329, 0.2875, 0.3789



75.2476, 0.2828, 0.3921



44.4167, 0.2672, 0.3319



10.7232, 0.3053, 0.3413



24.9992, 0.2741, 0.5067



0.9925, 0.2614, 0.4610



# Inverse Universe

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



28.2478, 0.3492, 0.2842



44.2931, 0.3604, 0.2742



27.3051, 0.3866, 0.3263



9.6177, 0.3209, 0.3170



7.9016, 0.4834, 0.2436



0.3227, 0.4343, 0.2166



# Previews

## White Background



This preview shows how the Yxy color 43.2311, 0.2875, 0.3789 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

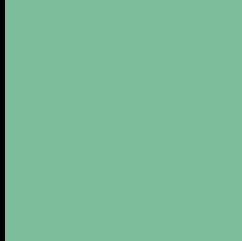
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.2311, 0.2875, 0.3789 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

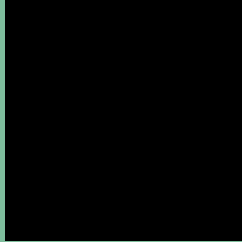
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.2311, 0.2875, 0.3789**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.2311, 0.2875, 0.3789.



This preview shows how white text looks on a background with the Yxy color 43.2311, 0.2875, 0.3789.

# 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

43.2311, 0.2875, 0.3789

### Protanopia

43.0202, 0.3430, 0.3641

### Deuteranopia

42.7843, 0.3469, 0.3407



## Tritanopia

43.0951, 0.2651, 0.3078

# Trichromacy



**Original Color**

43.2311, 0.2875, 0.3789

**Protanomaly**

42.6960, 0.3204, 0.3688

**Deuteranomaly**

42.2118, 0.3223, 0.3526

**Tritanomaly**

43.0224, 0.2731, 0.3318

# Monochromacy



**Original Color**

43.2311, 0.2875, 0.3789

**Achromatopsia**

38.1326, 0.3127, 0.3290

**Achromatomaly**

39.4600, 0.3023, 0.3466

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.2311, 0.2875, 0.3789 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(126, 189, 156)` looks like.

```
.text, #text, p{  
    color:rgb(126, 189, 156)  
}
```

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(126, 189, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 189, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 43.2311, 0.2875, 0.3789 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(126, 189, 156) }
```

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

```
.border{ border-color:rgb(126, 189, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 189, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 189, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 189, 156); box-shadow:4px 4px 4px 4px rgb(126, 189, 156) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.2311, 0.2875, 0.3789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 189, 156) }
```

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

```
.background{ background-color: rgb(126,  
189, 156) }
```

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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