

# Converting Colors

$Yxy(43.7553, 0.3011, 0.4105)$

Have a look what the booklet for  
Yxy(43.7553, 0.3011, 0.4105)  
contains.

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# Color

**Yxy(43.6858, 0.3013, 0.4098)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80BF8A
RGB	128, 191, 138
RGB Percent	50%, 75%, 54%
CMY	0.4981, 0.2510, 0.4587
CMYK	0.33, 0.00, 0.28, 0.25
HSL	130°, 33%, 63%
HSV	130°, 33%, 75%
XYZ	32.1194, 43.6858, 30.7975
YIQ	166.1210, -20.5350, -29.8390

# Conversions

## Conversions Part 2

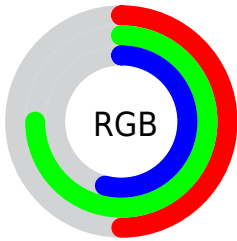
Format	Color
<a href="#">RYB</a>	<a href="#">128, 182, 191</a>
Decimal	<a href="#">8437642</a>
CIELab	<a href="#">72.02, -31.12, 20.47</a>
CIElCh	<a href="#">72, 37.249, 146.664</a>
Yxy	<a href="#">43.6858, 0.3013, 0.4098</a>
Android (android.graphics.Color)	<a href="#">4286627722</a> <a href="#">(0xFF80BF8A)</a>
YUV	<a href="#">166.1210, -13.8637, -33.4321</a>
Hunter-Lab	<a href="#">66.0952, -28.9234, 18.6401</a>

# Details

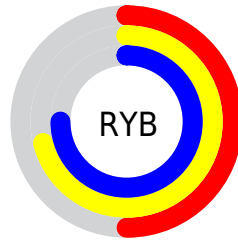
The Yxy color **43.6858, 0.3013, 0.4098** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.8427, 0.3268, 0.2598**, and the grayscale version is **38.2701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0079, 0.3042, 0.3936**, and **20.1324, 0.2962, 0.4356** is the 20% darker color. If you saturate the color by 10%, you get **41.9124, 0.2982, 0.4396**, and if you desaturate by 10%, it is **45.8104, 0.3047, 0.3822**.

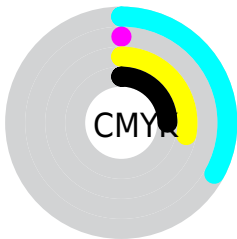
# Distribution



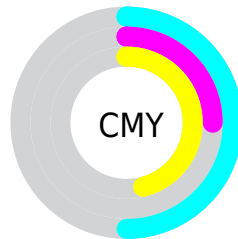
- Red (50%)
- Green (75%)
- Blue (54%)



- Red (50%)
- Yellow (71%)
- Blue (75%)



- Cyan (33%)
- Magenta (0%)
- Yellow (28%)
- Black (25%)




- Cyan (50%)
- Magenta (25%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6858, 0.3013, 0.4098 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 43.6858, 0.3013, 0.4098 by changing the saturation by 10% instead.




 43.6858, 0.3013,  
0.4098

 43.6858, 0.3013,  
0.4098


361.4246, 0.3081,  
0.3670


 30.4236, 0.2992,  
0.4213


 80.7447, 0.3041,  
0.3937

 20.1603, 0.2963,  
0.4365


 105.3102, 0.3050,  
0.3878

 12.5116, 0.2919,  
0.4575


 134.4123, 0.3058,  
0.3829

 7.0931, 0.2847,  
0.4884

168.4353, 0.3064,  
0.3787

 3.5204, 0.2717,  
0.5378

207.7636, 0.3069,  
0.3752

 1.4091, 0.2614,  
0.7295

252.7817, 0.3074,

 0.2234, 0.0000,

0.3721

1.0000

303.8739, 0.3078,  
0.3694

0.0000, 0.0000,  
0.0000

43.6858, 0.3013,  
0.4098

43.6858, 0.3013,  
0.4098

41.9124, 0.2982,  
0.4396

45.8104, 0.3047,  
0.3822

40.4659, 0.2957,  
0.4706

48.2979, 0.3082,  
0.3573

39.3278, 0.2940,  
0.5016


51.1664, 0.3117,  
0.3351

38.4753, 0.2932,  
0.5308


54.4308, 0.3151,  
0.3157


37.8823, 0.2936,  
0.5562

58.1056, 0.3183,  
0.2988

 37.5180, 0.2951,  
0.5761

 62.2044, 0.3213,  
0.2841

 37.3607, 0.2962,  
0.5864

 65.4514, 0.3190,  
0.2705

 65.7444, 0.3157,  
0.2663

# Harmonies

## Analogous

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



43.6858, 0.3536, 0.4258



43.6858, 0.3013, 0.4098



43.6858, 0.2545, 0.3649

# Triad

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



43.6858, 0.3013, 0.4098



43.6858, 0.2315, 0.2478



43.6858, 0.4091, 0.3344

# Complementary

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



43.6858, 0.3013, 0.4098



29.8427, 0.3268, 0.2598

# 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.



43.6858, 0.3707, 0.2946



43.6858, 0.3013, 0.4098



43.6858, 0.2667, 0.2466

# Square

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



43.6858, 0.3013, 0.4098



43.6858, 0.2169, 0.2695



43.6858, 0.3172, 0.2635



43.6858, 0.4184, 0.3760



# Rectangle

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



43.6858, 0.3013, 0.4098



43.6858, 0.2323, 0.3287



43.6858, 0.3172, 0.2635



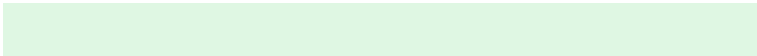
43.6858, 0.3990, 0.3206

# Sweetspot

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



43.6876, 0.3013, 0.4098



87.8847, 0.3092, 0.3507



48.7128, 0.3534, 0.4127



19.1444, 0.3087, 0.3540



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



43.6876, 0.3013, 0.4098



75.7578, 0.2989, 0.4324



44.7141, 0.2804, 0.3614



10.6738, 0.3095, 0.3488



24.5591, 0.2958, 0.5847



0.9699, 0.2849, 0.5458



# Inverse Universe

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



29.8427, 0.3268, 0.2598



46.9474, 0.3309, 0.2441



28.7120, 0.3616, 0.2991



9.6694, 0.3161, 0.3099



8.9688, 0.3653, 0.1786



0.3584, 0.3530, 0.1718



# Previews

## White Background



This preview shows how the Yxy color 43.6858, 0.3013, 0.4098 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 43.6858, 0.3013, 0.4098 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 43.6858, 0.3013, 0.4098**

## Background



This preview shows how black text looks on a background with the Yxy color 43.6858, 0.3013, 0.4098.

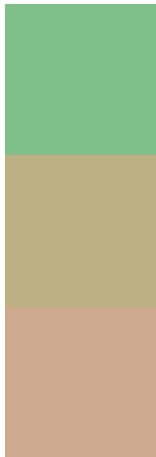


This preview shows how white text looks on a background with the Yxy color 43.6858, 0.3013, 0.4098.

# 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

43.6858, 0.3013, 0.4098

### Protanopia

43.3807, 0.3621, 0.3892

### Deuteranopia

43.1965, 0.3694, 0.3622



## Tritanopia

43.5196, 0.2685, 0.3080

# Trichromacy



**Original Color**

43.6858, 0.3013, 0.4098

**Protanomaly**

42.8760, 0.3374, 0.3958

**Deuteranomaly**

42.5975, 0.3419, 0.3789

**Tritanomaly**

43.4866, 0.2807, 0.3434

# Monochromacy



**Original Color**

43.6858, 0.3013, 0.4098

**Achromatopsia**

38.1326, 0.3127, 0.3290

**Achromatomaly**

39.7356, 0.3079, 0.3569

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.6858, 0.3013, 0.4098 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(128, 191, 138)` looks like.

```
.text, #text, p{  
    color:rgb(128, 191, 138)  
}
```

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(128, 191, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 191, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 43.6858, 0.3013, 0.4098 is called "border". The border property can be set on classes, ids or directly on the HTML element.

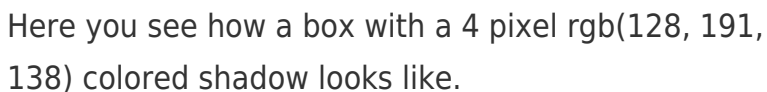
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 191, 138) }
```

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

```
.border{ border-color:rgb(128, 191, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 191, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 191, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 191, 138); box-shadow:4px 4px 4px 4px rgb(128, 191, 138) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.6858, 0.3013, 0.4098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 191, 138) }
```

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

```
.background{ background-color: rgb(128,  
191, 138) }
```

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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