

# Converting Colors

$Yxy(43.5907, 0.3009, 0.4107)$

Have a look what the booklet for  
Yxy(43.5907, 0.3009, 0.4107)  
contains.

<b>Yxy(43.6086, 0.3006, 0.4100)</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(43.6086, 0.3006, 0.4100)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FBF8A
RGB	127, 191, 138
RGB Percent	50%, 75%, 54%
CMY	0.5019, 0.2510, 0.4588
CMYK	0.34, 0.00, 0.28, 0.25
HSL	130°, 33%, 62%
HSV	130°, 34%, 75%
XYZ	31.9725, 43.6086, 30.7813
YIQ	165.8220, -21.1310, -30.0510

# Conversions

## Conversions Part 2

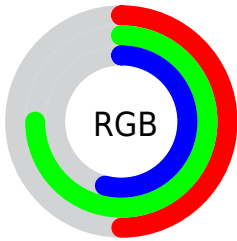
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 182, 191
Decimal	8372106
CIELab	71.97, -31.43, 20.40
CIElCh	72, 37.471, 147.008
Yxy	43.6086, 0.3006, 0.4100
Android (android.graphics.Color)	4286562186 (0xFF7FBF8A)
YUV	165.8220, -13.7162, -34.0469
Hunter-Lab	66.0368, -29.1414, 18.5893

# Details

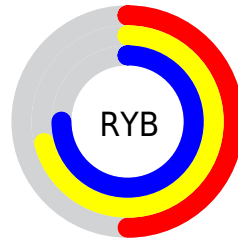
The Yxy color **43.6086, 0.3006, 0.4100** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **29.5538, 0.3279, 0.2597**, and the grayscale version is **38.1203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8857, 0.3036, 0.3937**, and **20.0918, 0.2952, 0.4359** is the 20% darker color. If you saturate the color by 10%, you get **41.8548, 0.2974, 0.4394**, and if you desaturate by 10%, it is **45.7108, 0.3041, 0.3827**.

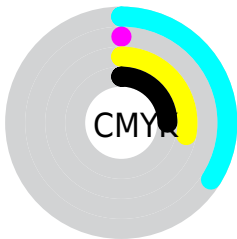
# Distribution



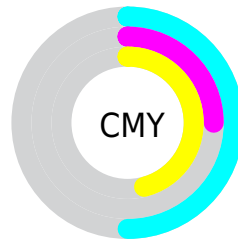
- Red (50%)
- Green (75%)
- Blue (54%)



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



- Cyan (34%)
- Magenta (0%)
- Yellow (28%)
- Black (25%)




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6086, 0.3006, 0.4100 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 43.6086, 0.3006, 0.4100 by changing the saturation by 10% instead.





 43.6086, 0.3006,  
0.4100


 43.6086, 0.3006,  
0.4100


361.1087, 0.3078,  
0.3671


 30.3629, 0.2984,  
0.4215


 80.6285, 0.3035,  
0.3938

 20.1142, 0.2953,  
0.4368


 105.1714, 0.3045,  
0.3879

 12.4781, 0.2908,  
0.4579


 134.2490, 0.3053,  
0.3830

 7.0702, 0.2834,  
0.4890

168.2454, 0.3060,  
0.3788

 3.5060, 0.2700,  
0.5387

207.5452, 0.3065,  
0.3753

 1.4013, 0.2577,  
0.7340

252.5328, 0.3070,

 0.2177, 0.0000,

0.3722

1.0000

303.5925, 0.3074,  
0.3695

0.0000, 0.0000,  
0.0000

43.6086, 0.3006,  
0.4100

43.6086, 0.3006,  
0.4100

41.8548, 0.2974,  
0.4394

45.7108, 0.3041,  
0.3827

40.4252, 0.2949,  
0.4701

48.1731, 0.3078,  
0.3580

39.3013, 0.2931,  
0.5008


51.0135, 0.3115,  
0.3361

38.4604, 0.2925,  
0.5297


54.2468, 0.3150,  
0.3168

37.8765, 0.2930,  
0.5549

57.8875, 0.3184,  
0.3000

 37.5185, 0.2946,  
0.5748

 61.9491, 0.3216,  
0.2854

 37.3710, 0.2957,  
0.5847

 65.3447, 0.3202,  
0.2720

 65.7421, 0.3157,  
0.2663

# Harmonies

## Analogous

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



43.6086, 0.3532, 0.4265



43.6086, 0.3006, 0.4100



43.6086, 0.2537, 0.3645

# Triad

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



43.6086, 0.3006, 0.4100



43.6086, 0.2313, 0.2472



43.6086, 0.4100, 0.3349

# Complementary

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



43.6086, 0.3006, 0.4100



29.5538, 0.3279, 0.2597

# 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.



43.6086, 0.3716, 0.2948



43.6086, 0.3006, 0.4100



43.6086, 0.2669, 0.2462

# Square

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



43.6086, 0.3006, 0.4100



43.6086, 0.2164, 0.2688



43.6086, 0.3179, 0.2634



43.6086, 0.4190, 0.3767



# Rectangle

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



43.6086, 0.3006, 0.4100



43.6086, 0.2315, 0.3281



43.6086, 0.3179, 0.2634



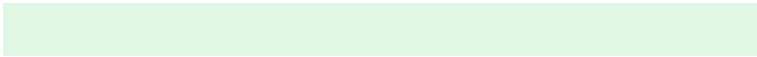
43.6086, 0.4000, 0.3210

# Sweetspot

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



43.6104, 0.3006, 0.4100



87.9014, 0.3090, 0.3504



48.5384, 0.3530, 0.4142



19.1485, 0.3085, 0.3536



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.



43.6104, 0.3006, 0.4100



75.8019, 0.2983, 0.4308



44.6649, 0.2792, 0.3604



10.6757, 0.3093, 0.3485



24.5678, 0.2953, 0.5829



0.9707, 0.2839, 0.5421



# Inverse Universe

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



29.5538, 0.3279, 0.2597



46.8788, 0.3320, 0.2452



28.4074, 0.3638, 0.3000



9.6674, 0.3163, 0.3102



8.9158, 0.3692, 0.1807



0.3568, 0.3558, 0.1733



# Previews

## White Background



This preview shows how the Yxy color 43.6086, 0.3006, 0.4100 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 43.6086, 0.3006, 0.4100 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 43.6086, 0.3006, 0.4100**

## Background



This preview shows how black text looks on a background with the Yxy color 43.6086, 0.3006, 0.4100.

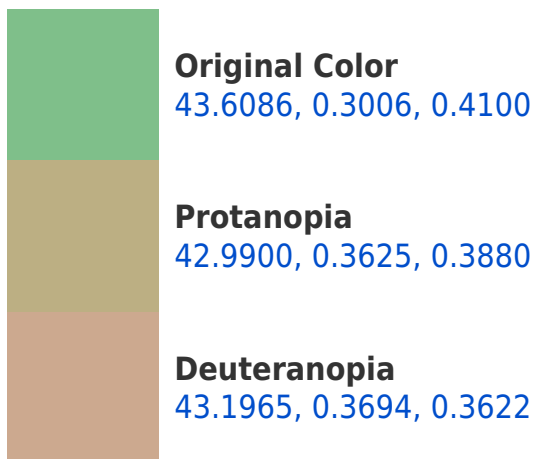


This preview shows how white text looks on a background with the Yxy color 43.6086, 0.3006, 0.4100.

# 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





## Tritanopia

43.4332, 0.2679, 0.3080

# Trichromacy



**Original Color**

43.6086, 0.3006, 0.4100

**Protanomaly**

42.8760, 0.3374, 0.3958

**Deuteranomaly**

42.5975, 0.3419, 0.3789

**Tritanomaly**

43.4033, 0.2800, 0.3434

# Monochromacy



**Original Color**

43.6086, 0.3006, 0.4100

**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 43.6086, 0.3006, 0.4100 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(127, 191, 138)` looks like.

```
.text, #text, p{  
    color:rgb(127, 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(127, 191, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 191, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 43.6086, 0.3006, 0.4100 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(127, 191, 138) }
```

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

```
.border{ border-color:rgb(127, 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(127, 191, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 191, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 191, 138); box-shadow:4px 4px 4px 4px rgb(127, 191, 138) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.6086, 0.3006, 0.4100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 191, 138) }
```

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

```
.background{ background-color: rgb(127,  
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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