

# Converting Colors

Yxy(52.3489, 0.3436, 0.4046)

Have a look what the booklet for  
Yxy(52.3489, 0.3436, 0.4046)  
contains.

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# Color

**Yxy(52.3489, 0.3436, 0.4046)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7C68C
RGB	183, 198, 140
RGB Percent	72%, 78%, 55%
CMY	0.2824, 0.2235, 0.4509
CMYK	0.08, 0.00, 0.29, 0.22
HSL	76°, 34%, 66%
HSV	76°, 29%, 78%
XYZ	44.4565, 52.3489, 32.5790
YIQ	186.9030, 9.6780, -21.2180

# Conversions

## Conversions Part 2

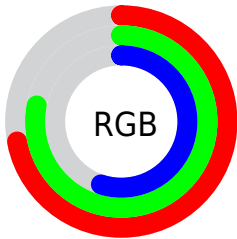
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 198, 155
Decimal	12043916
CIELab	77.49, -14.85, 27.42
CIELCh	77, 31.181, 118.436
Yxy	52.3489, 0.3436, 0.4046
Android (android.graphics.Color)	4290233996 (0xFFB7C68C)
YUV	186.9030, -23.1232, -3.4229
Hunter-Lab	72.3525, -16.9390, 23.9496

# Details

The Yxy color **52.3489, 0.3436, 0.4046** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.8106, 0.2750, 0.2477**, and the grayscale version is **49.7668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7658, 0.3383, 0.3911**, and **25.3349, 0.3506, 0.4265** is the 20% darker color. If you saturate the color by 10%, you get **51.2015, 0.3534, 0.4316**, and if you desaturate by 10%, it is **53.6289, 0.3332, 0.3778**.

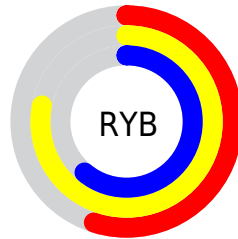
# Distribution



Red (72%)

Green (78%)

Blue (55%)



Red (55%)

Yellow (78%)

Blue (61%)

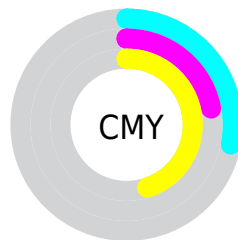


Cyan (8%)

Magenta (0%)

Yellow (29%)

Black (22%)



Cyan (28%)

Magenta (22%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3489, 0.3436, 0.4046 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 52.3489, 0.3436, 0.4046 by changing the saturation by 10% instead.



■ 52.3489, 0.3436,  
0.4046

■ 52.3489, 0.3436,  
0.4046

395.7821, 0.3292,  
0.3666

■ 37.2833, 0.3468,  
0.4140

■ 93.6456, 0.3386,  
0.3908

■ 25.4269, 0.3507,  
0.4261

■ 120.6454, 0.3367,  
0.3856

■ 16.3954, 0.3554,  
0.4420

■ 152.3921, 0.3350,  
0.3812

■ 9.8044, 0.3610,  
0.4638

189.2700, 0.3336,  
0.3775

■ 5.2694, 0.3674,  
0.4951

231.6636, 0.3323,  
0.3742

■ 2.4062, 0.3887,  
0.5663

279.9572, 0.3311,

■ 0.8291, 0.3392,

0.3714

0.6608

334.5352, 0.3301,  
0.3689

0.0000, 0.0000,  
0.0000

52.3489, 0.3436,  
0.4046

52.3489, 0.3436,  
0.4046

51.2015, 0.3534,  
0.4316

53.6289, 0.3332,  
0.3778

50.1739, 0.3621,  
0.4577

55.0401, 0.3225,  
0.3518

49.2620, 0.3691,  
0.4819

56.5898, 0.3120,  
0.3273

48.4588, 0.3740,  
0.5030

58.2828, 0.3018,  
0.3045

47.7561, 0.3765,  
0.5201

60.1238, 0.2921,  
0.2835

■ 47.1445, 0.3764,  
0.5325

■ 61.8684, 0.2855,  
0.2680

■ 46.6077, 0.3742,  
0.5407

■ 62.6505, 0.2891,  
0.2686

■ 46.5707, 0.3740,  
0.5412

■ 63.4571, 0.2927,  
0.2693

■ 64.2884, 0.2964,  
0.2699

# Harmonies

## Analogous

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



52.3489, 0.3784, 0.3956



52.3489, 0.3436, 0.4046



52.3489, 0.3020, 0.3899

# Triad

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



52.3489, 0.3436, 0.4046



52.3489, 0.2358, 0.2809



52.3489, 0.3607, 0.3035

# Complementary

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



52.3489, 0.3436, 0.4046



29.8106, 0.2750, 0.2477

# Split Complementary

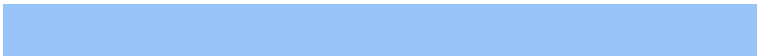
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



52.3489, 0.3193, 0.2774



52.3489, 0.3436, 0.4046



52.3489, 0.2489, 0.2635

# Square

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



52.3489, 0.3436, 0.4046



52.3489, 0.2414, 0.3137



52.3489, 0.2785, 0.2629



52.3489, 0.3895, 0.3364



# Rectangle

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



52.3489, 0.3436, 0.4046



52.3489, 0.2761, 0.3680



52.3489, 0.2785, 0.2629



52.3489, 0.3477, 0.2938

# Sweetspot

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



52.3512, 0.3436, 0.4046



97.4998, 0.3223, 0.3515



37.1823, 0.3716, 0.3483



20.7866, 0.3239, 0.3552



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

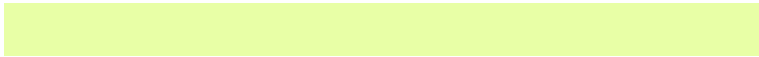


# Same Dimension

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



52.3512, 0.3436, 0.4046



91.4029, 0.3498, 0.4215



49.2051, 0.3200, 0.4105



12.2735, 0.3226, 0.3521



30.3274, 0.3746, 0.5407



1.4694, 0.3844, 0.5330



# Inverse Universe

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



29.8106, 0.2750, 0.2477



45.2014, 0.2651, 0.2279



32.9690, 0.3019, 0.2538



10.4180, 0.3022, 0.3054



3.1489, 0.1662, 0.0689



0.1852, 0.1890, 0.0815



# Previews

## White Background



This preview shows how the Yxy color 52.3489, 0.3436, 0.4046 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

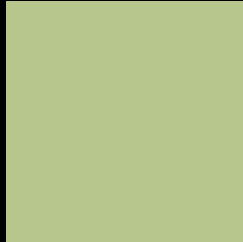
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.3489, 0.3436, 0.4046 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

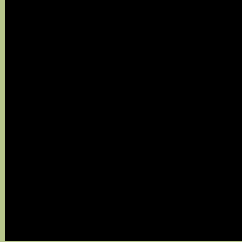
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.3489, 0.3436, 0.4046**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.3489, 0.3436, 0.4046.



This preview shows how white text looks on a background with the Yxy color 52.3489, 0.3436, 0.4046.

# 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

52.3489, 0.3436, 0.4046

### Protanopia

52.1896, 0.3683, 0.3955

### Deuteranopia

51.8577, 0.3836, 0.3758



## Tritanopia

52.4412, 0.3032, 0.3107

# Trichromacy



## Original Color

52.3489, 0.3436, 0.4046

## Protanomaly

52.4243, 0.3593, 0.3994

## Deuteranomaly

51.6211, 0.3689, 0.3852

## Tritanomaly

52.2949, 0.3185, 0.3442

# Monochromacy



## Original Color

52.3489, 0.3436, 0.4046

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

50.6030, 0.3247, 0.3561

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.3489, 0.3436, 0.4046 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(183, 198, 140)` looks like.

```
.text, #text, p{  
    color:rgb(183, 198, 140)  
}
```

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(183, 198, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 198, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 52.3489, 0.3436, 0.4046 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(183, 198, 140) }
```

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

```
.border{ border-color:rgb(183, 198, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 198, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 198, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 198, 140);  
box-shadow:4px 4px 4px 4px rgb(183, 198,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.3489, 0.3436, 0.4046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 198, 140) }
```

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

```
.background{ background-color: rgb(183,  
198, 140) }
```

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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