

# Converting Colors

$Yxy(44.0339, 0.3764, 0.4108)$

Have a look what the booklet for  
Yxy(44.0339, 0.3764, 0.4108)  
contains.

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# Color

**Yxy(44.0489, 0.3758, 0.4107)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">BEB274</a>
RGB	<a href="#">190, 178, 116</a>
RGB Percent	<a href="#">75%, 70%, 45%</a>
CMY	<a href="#">0.2549, 0.3019, 0.5451</a>
CMYK	<a href="#">0.00, 0.06, 0.39, 0.25</a>
HSL	<a href="#">50°, 36%, 60%</a>
HSV	<a href="#">50°, 39%, 75%</a>
XYZ	<a href="#">40.3058, 44.0489, 22.8986</a>
YIQ	<a href="#">174.5200, 27.0540, -16.7380</a>

# Conversions

## Conversions Part 2

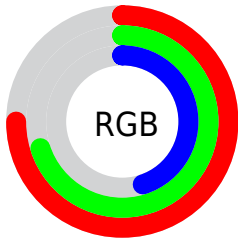
<b>Format</b>	<b>Color</b>
<b>RYB</b>	130, 190, 116
Decimal	12497524
CIELab	72.26, -4.79, 33.24
CIELCh	72, 33.582, 98.199
Yxy	44.0489, 0.3758, 0.4107
Android (android.graphics.Color)	4290687604 (0xFFBEB274)
YUV	174.5200, -28.8504, 13.5760
Hunter-Lab	66.3693, -7.7442, 26.0025

# Details

The Yxy color **44.0489, 0.3758, 0.4107** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **22.8618, 0.2448, 0.2311**, and the grayscale version is **42.7502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4844, 0.3643, 0.3961**, and **20.4779, 0.3909, 0.4335** is the 20% darker color. If you saturate the color by 10%, you get **42.4425, 0.3925, 0.4304**, and if you desaturate by 10%, it is **45.7772, 0.3588, 0.3897**.

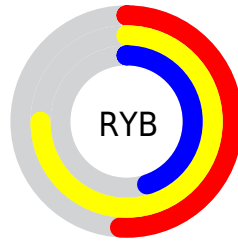
# Distribution



Red (75%)

Green (70%)

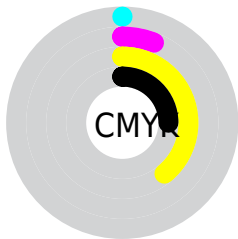
Blue (45%)



Red (51%)

Yellow (75%)

Blue (45%)

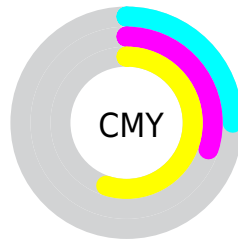


Cyan (0%)

Magenta (6%)

Yellow (39%)

Black (25%)



Cyan (25%)

Magenta (30%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.0489, 0.3758, 0.4107 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 44.0489, 0.3758, 0.4107 by changing the saturation by 10% instead.





 44.0489, 0.3758,  
0.4107


 44.0489, 0.3758,  
0.4107


362.9078, 0.3448,  
0.3697


 30.7090, 0.3831,  
0.4208


 81.2913, 0.3648,  
0.3959

 20.3773, 0.3922,  
0.4334


 105.9626, 0.3606,  
0.3903

 12.6696, 0.4035,  
0.4498


 135.1797, 0.3570,  
0.3855

 7.2014, 0.4177,  
0.4712

169.3272, 0.3539,  
0.3814

 3.5884, 0.4416,  
0.5076

208.7893, 0.3512,  
0.3779

 1.4461, 0.4573,  
0.5427

253.9505, 0.3488,

 0.2503, 0.3259,

0.3748

0.6741

305.1952, 0.3467,  
0.3721

0.0000, 0.0000,  
0.0000

44.0489, 0.3758,  
0.4107

44.0489, 0.3758,  
0.4107

42.4425, 0.3925,  
0.4304

45.7772, 0.3588,  
0.3897

40.9462, 0.4084,  
0.4479

47.6267, 0.3422,  
0.3684

39.5557, 0.4226,  
0.4621


49.6041, 0.3262,  
0.3472


38.2638, 0.4345,  
0.4724

51.7142, 0.3112,  
0.3269

37.0622, 0.4438,  
0.4782

53.9611, 0.2973,  
0.3077


 35.9365, 0.4505,  
0.4799

 56.3489, 0.2846,  
0.2897

 35.8204, 0.4512,  
0.4800

 58.8816, 0.2730,  
0.2731

 60.6979, 0.2699,  
0.2705

 62.1618, 0.2702,  
0.2741

# Harmonies

## Analogous

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



44.0489, 0.4036, 0.3855



44.0489, 0.3758, 0.4107



44.0489, 0.3322, 0.4136

# Triad

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



44.0489, 0.3758, 0.4107



44.0489, 0.2277, 0.2972



44.0489, 0.3360, 0.2791

# Complementary

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



44.0489, 0.3758, 0.4107



22.8618, 0.2448, 0.2311

# 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.



44.0489, 0.2878, 0.2581



44.0489, 0.3758, 0.4107



44.0489, 0.2284, 0.2656

# Square

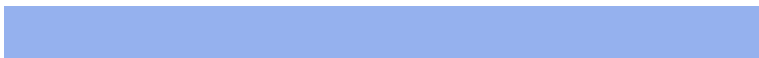
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



44.0489, 0.3758, 0.4107



44.0489, 0.2476, 0.3428



44.0489, 0.2494, 0.2528



44.0489, 0.3805, 0.3114



# Rectangle

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



44.0489, 0.3758, 0.4107



44.0489, 0.3004, 0.3994



44.0489, 0.2494, 0.2528



44.0489, 0.3195, 0.2706

# Sweetspot

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



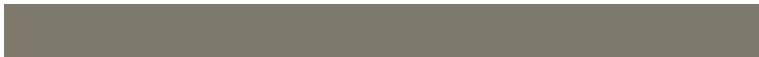
44.0509, 0.3758, 0.4107



88.7110, 0.3313, 0.3540



25.0024, 0.3919, 0.3121



19.3754, 0.3334, 0.3568



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.



44.0509, 0.3758, 0.4107



77.2560, 0.3906, 0.4282



46.1176, 0.3481, 0.4321



10.8503, 0.3268, 0.3481



23.9179, 0.4507, 0.4804



1.0083, 0.4420, 0.4872



# Inverse Universe

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



22.8618, 0.2448, 0.2311



33.3568, 0.2274, 0.2044



21.8396, 0.2651, 0.2188



9.4683, 0.2984, 0.3092



3.1932, 0.1543, 0.0753



0.2044, 0.1650, 0.1140



# Previews

## White Background



This preview shows how the Yxy color 44.0489, 0.3758, 0.4107 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

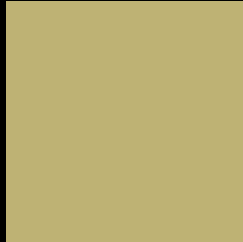
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.0489, 0.3758, 0.4107 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 44.0489, 0.3758, 0.4107**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.0489, 0.3758, 0.4107.



This preview shows how white text looks on a background with the Yxy color 44.0489, 0.3758, 0.4107.

# 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

44.0489, 0.3758, 0.4107

### Protanopia

44.0427, 0.3792, 0.4086

### Deuteranopia

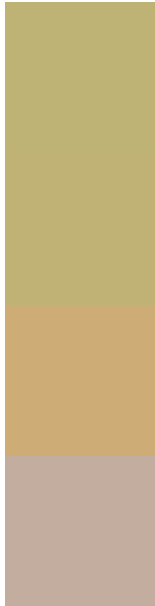
43.8301, 0.4010, 0.3915



## Tritanopia

44.0387, 0.3262, 0.3126

# Trichromacy



## Original Color

44.0489, 0.3758, 0.4107

## Protanomaly

43.9117, 0.3782, 0.4089

## Deuteranomaly

43.7685, 0.3925, 0.3982

## Tritanomaly

43.8597, 0.3441, 0.3473

# Monochromacy



## Original Color

44.0489, 0.3758, 0.4107

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

43.0871, 0.3347, 0.3589

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.0489, 0.3758, 0.4107 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(190, 178, 116)` looks like.

```
.text, #text, p{  
    color:rgb(190, 178, 116)  
}
```

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(190, 178, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 178, 116) }
```

## Border

The CSS property to change the border of an element to Yxy 44.0489, 0.3758, 0.4107 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(190, 178, 116) }
```

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

```
.border{ border-color:rgb(190, 178, 116) }
```

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

Here you see how a box with a 4 pixel rgb(190, 178, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 178, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 178, 116);  
box-shadow:4px 4px 4px 4px rgb(190, 178,  
116) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.0489, 0.3758, 0.4107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 178, 116) }
```

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

```
.background{ background-color: rgb(190,  
178, 116) }
```

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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