

# Converting Colors

$Y_{xy}(45.2725, 0.3395, 0.3535)$

Have a look what the booklet for  
Yxy(45.2725, 0.3395, 0.3535)  
contains.

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# Color

**Yxy(45.2911, 0.3393, 0.3539)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">BEB29F</a>
RGB	<a href="#">190, 178, 159</a>
RGB Percent	<a href="#">75%, 70%, 62%</a>
CMY	<a href="#">0.2547, 0.3020, 0.3764</a>
CMYK	<a href="#">0.00, 0.06, 0.16, 0.25</a>
HSL	<a href="#">37°, 19%, 68%</a>
HSV	<a href="#">37°, 16%, 75%</a>
XYZ	<a href="#">43.4226, 45.2911, 39.2634</a>
YIQ	<a href="#">179.4220, 13.2510, -3.3650</a>

# Conversions

## Conversions Part 2

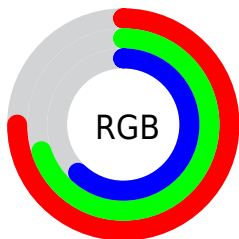
Format	Color
<a href="#">RYB</a>	<a href="#">179, 190, 159</a>
Decimal	<a href="#">12497567</a>
CIELab	<a href="#">73.08, 1.11, 11.24</a>
CIElCh	<a href="#">73, 11.292, 84.353</a>
Yxy	<a href="#">45.2911, 0.3393, 0.3539</a>
Android (android.graphics.Color)	<a href="#">4290687647</a> ( <a href="#">0xFFBEB29F</a> )
YUV	<a href="#">179.4220, -10.0680, 9.2769</a>
Hunter-Lab	<a href="#">67.2987, -2.6004, 12.5181</a>

# Details

The Yxy color  $45.2911, 0.3393, 0.3539$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $40.2463, 0.2872, 0.3028$ , and the grayscale version is  $45.3699, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $83.2935, 0.3338, 0.3494$ , and  $20.9842, 0.3461, 0.3596$  is the 20% darker color. If you saturate the color by 10%, you get  $41.8236, 0.3580, 0.3700$ , and if you desaturate by 10%, it is  $49.0222, 0.3224, 0.3384$ .

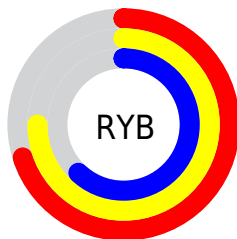
# Distribution



Red (75%)

Green (70%)

Blue (62%)



Red (70%)

Yellow (75%)

Blue (62%)

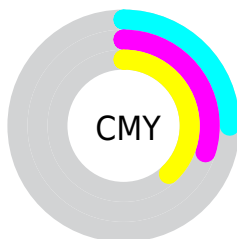


Cyan (0%)

Magenta (6%)

Yellow (16%)

Black (25%)



Cyan (25%)

Magenta (30%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2911, 0.3393, 0.3539 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 45.2911, 0.3393, 0.3539 by changing the saturation by 10% instead.




 45.2911, 0.3393,  
0.3539


 45.2911, 0.3393,  
0.3539


367.9512, 0.3259,  
0.3414

 31.6868, 0.3427,  
0.3570


 83.1571, 0.3344,  
0.3494

 21.1224, 0.3470,  
0.3610

 108.1875, 0.3326,  
0.3477

 13.2135, 0.3528,  
0.3663


137.7954, 0.3311,  
0.3462

 7.5757, 0.3609,  
0.3737

172.3652, 0.3297,  
0.3450

 3.8247, 0.3729,  
0.3847

212.2813, 0.3286,  
0.3439

 1.5760, 0.3938,  
0.4035

257.9281, 0.3276,

 0.3413, 0.5074,

0.3430

0.4926

309.6899, 0.3267,  
0.3422

0.0000, 0.0000,  
0.0000

45.2911, 0.3393,  
0.3539

45.2911, 0.3393,  
0.3539

41.8236, 0.3580,  
0.3700

49.0222, 0.3224,  
0.3384

38.6067, 0.3784,  
0.3861

53.0177, 0.3074,  
0.3237

35.6348, 0.4002,  
0.4017

57.2859, 0.2940,  
0.3100

32.8999, 0.4229,  
0.4157

61.8330, 0.2822,  
0.2973

30.3934, 0.4457,  
0.4272

66.6650, 0.2717,  
0.2856

■ 28.1059, 0.4673,  
0.4349

■ 70.5702, 0.2719,  
0.2930

■ 26.0266, 0.4868,  
0.4379

■ 74.5857, 0.2727,  
0.3013

■ 24.1425, 0.5030,  
0.4357

■ 78.7751, 0.2734,  
0.3095

■ 23.4907, 0.5087,  
0.4343

■ 83.1407, 0.2742,  
0.3176

# Harmonies

## Analogous

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



45.2911, 0.3443, 0.3442



45.2911, 0.3393, 0.3539



45.2911, 0.3272, 0.3571

# Triad

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



45.2911, 0.3393, 0.3539



45.2911, 0.2857, 0.3261



45.2911, 0.3134, 0.3072

# Complementary

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



45.2911, 0.3393, 0.3539



40.2463, 0.2872, 0.3028

# 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.



45.2911, 0.2979, 0.3023



45.2911, 0.3393, 0.3539



45.2911, 0.2822, 0.3127

# Square

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



45.2911, 0.3393, 0.3539



45.2911, 0.2963, 0.3407



45.2911, 0.2866, 0.3041



45.2911, 0.3291, 0.3176



# Rectangle

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



45.2911, 0.3393, 0.3539



45.2911, 0.3168, 0.3547



45.2911, 0.2866, 0.3041



45.2911, 0.3080, 0.3049

# Sweetspot

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



45.2931, 0.3393, 0.3539



89.6641, 0.3205, 0.3365



38.7128, 0.3315, 0.3127



19.5795, 0.3216, 0.3376



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

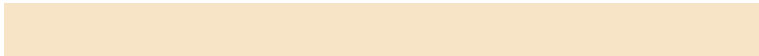


# Same Dimension

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



45.2931, 0.3393, 0.3539



79.4676, 0.3466, 0.3603



49.9063, 0.3342, 0.3693



10.4810, 0.3274, 0.3430



15.7684, 0.5072, 0.4355



0.7412, 0.4809, 0.4563



# Inverse Universe

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



40.2463, 0.2872, 0.3028



68.4041, 0.2806, 0.2956



36.2174, 0.2892, 0.2860



9.8169, 0.2984, 0.3146



5.8553, 0.1681, 0.1250

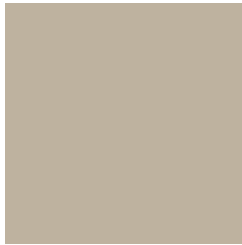


0.3571, 0.1818, 0.1744



# Previews

## White Background



This preview shows how the Yxy color 45.2911, 0.3393, 0.3539 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 45.2911, 0.3393, 0.3539 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

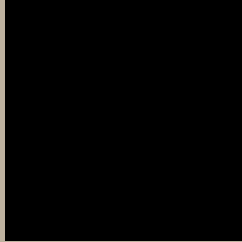
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

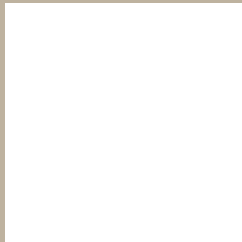
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.2911, 0.3393, 0.3539**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.2911, 0.3393, 0.3539.



This preview shows how white text looks on a background with the Yxy color 45.2911, 0.3393, 0.3539.

# 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

45.2911, 0.3393, 0.3539

### Protanopia

45.3082, 0.3363, 0.3555

### Deuteranopia

45.2626, 0.3526, 0.3455



## Tritanopia

45.3293, 0.3197, 0.3126

# Trichromacy



## Original Color

45.2911, 0.3393, 0.3539

## Protanomaly

45.4348, 0.3372, 0.3554

## Deuteranomaly

45.3401, 0.3474, 0.3483

## Tritanomaly

45.1717, 0.3271, 0.3265

# Monochromacy



## Original Color

45.2911, 0.3393, 0.3539

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

45.2860, 0.3219, 0.3383

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.2911, 0.3393, 0.3539 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(190, 178, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 178, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 45.2911, 0.3393, 0.3539 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, 159) }
```

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

```
.border{ border-color:rgb(190, 178, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 178, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 178, 159);  
box-shadow:4px 4px 4px 4px rgb(190, 178,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.2911, 0.3393, 0.3539 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, 159) }
```

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

```
.background{ background-color: rgb(190,  
178, 159) }
```

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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