

# Converting Colors

$Yxy(45.7851, 0.3547, 0.3646)$

Have a look what the booklet for  
Yxy(45.7851, 0.3547, 0.3646)  
contains.

<b>Yxy(45.6521, 0.3547, 0.3638)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(45.6521, 0.3547, 0.3638)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6B196
RGB	198, 177, 150
RGB Percent	78%, 69%, 59%
CMY	0.2237, 0.3058, 0.4117
CMYK	0.00, 0.11, 0.24, 0.22
HSL	34°, 30%, 68%
HSV	34°, 24%, 78%
XYZ	44.5102, 45.6521, 35.3245
YIQ	180.2010, 21.1830, -3.9450

# Conversions

## Conversions Part 2

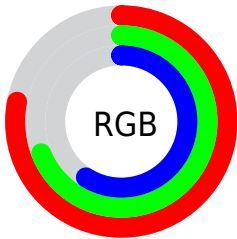
Format	Color
<a href="#">RYB</a>	<a href="#">187, 198, 150</a>
Decimal	<a href="#">13021590</a>
CIELab	<a href="#">73.32, 3.28, 16.57</a>
CIELCh	<a href="#">73, 16.895, 78.798</a>
Yxy	<a href="#">45.6521, 0.3547, 0.3638</a>
Android (android.graphics.Color)	<a href="#">4291211670 (0xFFC6B196)</a>
YUV	<a href="#">180.2010, -14.8891, 15.6097</a>
Hunter-Lab	<a href="#">67.5663, -0.6520, 16.2989</a>

# Details

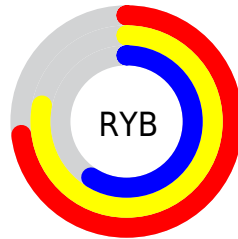
The Yxy color **45.6521, 0.3547, 0.3638** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.6733, 0.2743, 0.2915**, and the grayscale version is **45.8281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8975, 0.3470, 0.3582**, and **21.4974, 0.3672, 0.3743** is the 20% darker color. If you saturate the color by 10%, you get **41.7595, 0.3755, 0.3788**, and if you desaturate by 10%, it is **49.8732, 0.3359, 0.3490**.

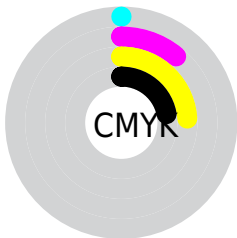
# Distribution



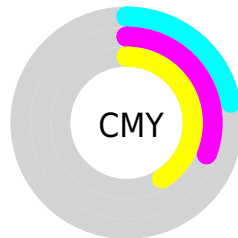
- Red (78%)
- Green (69%)
- Blue (59%)



- Red (73%)
- Yellow (78%)
- Blue (59%)



- Cyan (0%)
- Magenta (11%)
- Yellow (24%)
- Black (22%)




- Cyan (22%)
- Magenta (31%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6521, 0.3547, 0.3638 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 45.6521, 0.3547, 0.3638 by changing the saturation by 10% instead.





 45.6521, 0.3547,  
0.3638

 45.6521, 0.3547,  
0.3638


369.4082, 0.3336,  
0.3466

 31.9714, 0.3600,  
0.3680


 83.6981, 0.3470,  
0.3576

 21.3396, 0.3668,  
0.3734


 108.8322, 0.3441,  
0.3552

 13.3725, 0.3757,  
0.3805


138.5528, 0.3417,  
0.3532

 7.6855, 0.3882,  
0.3901

173.2444, 0.3396,  
0.3515

 3.8944, 0.4066,  
0.4038

213.2913, 0.3378,  
0.3500

 1.6147, 0.4457,  
0.4342

259.0780, 0.3362,

 0.3675, 0.5389,

0.3487

0.4611

310.9888, 0.3348,  
0.3476

0.0000, 0.0000,  
0.0000

45.6521, 0.3547,  
0.3638

45.6521, 0.3547,  
0.3638

41.7595, 0.3755,  
0.3788

49.8732, 0.3359,  
0.3490

38.1798, 0.3982,  
0.3935

54.4255, 0.3192,  
0.3348

34.9051, 0.4224,  
0.4069

59.3195, 0.3044,  
0.3214

31.9247, 0.4472,  
0.4180

64.5634, 0.2914,  
0.3089

29.2269, 0.4714,  
0.4256

70.1649, 0.2800,  
0.2975

■ 26.7989, 0.4938,  
0.4285

■ 75.2112, 0.2773,  
0.3008

■ 24.6259, 0.5129,  
0.4261

■ 80.1152, 0.2780,  
0.3103

■ 23.4739, 0.5229,  
0.4230

■ 85.2611, 0.2787,  
0.3196

■ 90.6520, 0.2794,  
0.3288

# Harmonies

## Analogous

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



45.6521, 0.3600, 0.3477



45.6521, 0.3547, 0.3638



45.6521, 0.3380, 0.3712

# Triad

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



45.6521, 0.3547, 0.3638



45.6521, 0.2748, 0.3284



45.6521, 0.3091, 0.2950

# Complementary

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



45.6521, 0.3547, 0.3638



39.6733, 0.2743, 0.2915

# 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.



45.6521, 0.2869, 0.2894



45.6521, 0.3547, 0.3638



45.6521, 0.2677, 0.3075

# Square

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



45.6521, 0.3547, 0.3638



45.6521, 0.2919, 0.3504



45.6521, 0.2720, 0.2936



45.6521, 0.3330, 0.3088



# Rectangle

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



45.6521, 0.3547, 0.3638



45.6521, 0.3229, 0.3694



45.6521, 0.2720, 0.2936



45.6521, 0.3011, 0.2921

# Sweetspot

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



45.6542, 0.3547, 0.3638



94.0278, 0.3238, 0.3388



36.7809, 0.3406, 0.3012



20.0187, 0.3248, 0.3396



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.



45.6542, 0.3547, 0.3638



77.2084, 0.3653, 0.3717



54.2539, 0.3469, 0.3892



11.6112, 0.3276, 0.3420



15.4440, 0.5211, 0.4244



0.8736, 0.4944, 0.4457



# Inverse Universe

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



39.6733, 0.2743, 0.2915



64.8193, 0.2655, 0.2822



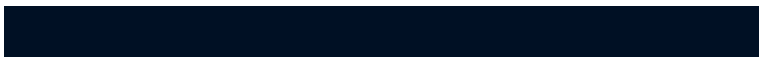
32.6074, 0.2738, 0.2616



11.0372, 0.2983, 0.3156



7.1967, 0.1720, 0.1390

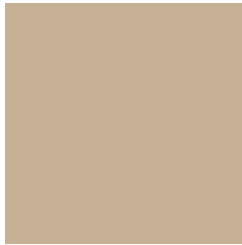


0.4843, 0.1834, 0.1800



# Previews

## White Background



This preview shows how the Yxy color 45.6521, 0.3547, 0.3638 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

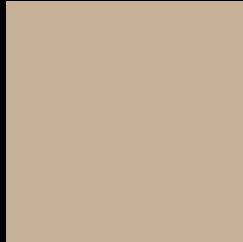
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.6521, 0.3547, 0.3638 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

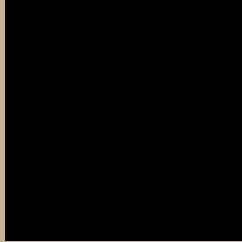
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.6521, 0.3547, 0.3638**

## Background



This preview shows how black text looks on a background with the Yxy color 45.6521, 0.3547, 0.3638.



This preview shows how white text looks on a background with the Yxy color 45.6521, 0.3547, 0.3638.

# 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

45.6521, 0.3547, 0.3638

### Protanopia

45.8240, 0.3456, 0.3671

### Deuteranopia

45.5314, 0.3645, 0.3566



## Tritanopia

45.5644, 0.3287, 0.3129

# Trichromacy



## Original Color

45.6521, 0.3547, 0.3638

## Protanomaly

45.8120, 0.3487, 0.3655

## Deuteranomaly

45.3438, 0.3604, 0.3582

## Tritanomaly

45.6682, 0.3389, 0.3316

# Monochromacy



## Original Color

45.6521, 0.3547, 0.3638

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

45.6696, 0.3279, 0.3421

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.6521, 0.3547, 0.3638 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(198, 177, 150)` looks like.

```
.text, #text, p{  
    color:rgb(198, 177, 150)  
}
```

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(198, 177, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 177, 150) }
```

## Border

The CSS property to change the border of an element to Yxy 45.6521, 0.3547, 0.3638 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(198, 177, 150) }
```

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

```
.border{ border-color:rgb(198, 177, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 177, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 177, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 177, 150);  
box-shadow:4px 4px 4px 4px rgb(198, 177,  
150) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.6521, 0.3547, 0.3638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 177, 150) }
```

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

```
.background{ background-color: rgb(198,  
177, 150) }
```

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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