

# Converting Colors

$Yxy(45.8742, 0.3681, 0.3939)$

Have a look what the booklet for  
Yxy(45.8742, 0.3681, 0.3939)  
contains.

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**Color**

**Yxy(45.8563, 0.3681, 0.3939)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3B482
RGB	195, 180, 130
RGB Percent	76%, 71%, 51%
CMY	0.2353, 0.2941, 0.4902
CMYK	0.00, 0.08, 0.33, 0.24
HSL	46°, 35%, 64%
HSV	46°, 33%, 76%
XYZ	42.8528, 45.8563, 27.7070
YIQ	178.7850, 24.9900, -12.3700

# Conversions

## Conversions Part 2

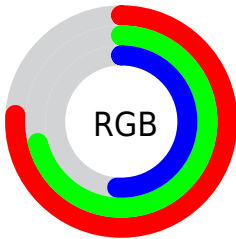
Format	Color
<a href="#">RYB</a>	<a href="#">150, 195, 130</a>
Decimal	<a href="#">12825730</a>
CIELab	<a href="#">73.45, -2.17, 27.49</a>
CIElCh	<a href="#">73, 27.576, 94.517</a>
Yxy	<a href="#">45.8563, 0.3681, 0.3939</a>
Android (android.graphics.Color)	<a href="#">4291015810</a> ( <a href="#">0xFFC3B482</a> )
YUV	<a href="#">178.7850, -24.0510, 14.2206</a>
Hunter-Lab	<a href="#">67.7173, -5.5471, 23.1431</a>

# Details

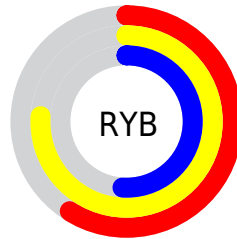
The Yxy color **45.8563, 0.3681, 0.3939** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **28.9242, 0.2564, 0.2542**, and the grayscale version is **45.0790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1052, 0.3582, 0.3829**, and **21.3334, 0.3829, 0.4115** is the 20% darker color. If you saturate the color by 10%, you get **43.5987, 0.3864, 0.4131**, and if you desaturate by 10%, it is **48.2761, 0.3503, 0.3741**.

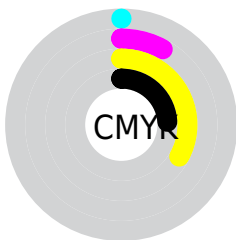
# Distribution



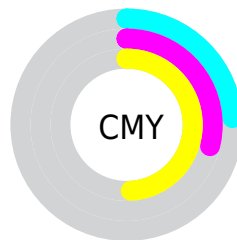
- Red (76%)
- Green (71%)
- Blue (51%)



- Red (59%)
- Yellow (76%)
- Blue (51%)



- Cyan (0%)
- Magenta (8%)
- Yellow (33%)
- Black (24%)



- Cyan (24%)
- Magenta (29%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8563, 0.3681, 0.3939 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 45.8563, 0.3681, 0.3939 by changing the saturation by 10% instead.



■ 45.8563, 0.3681,  
0.3939

■ 45.8563, 0.3681,  
0.3939

370.2306, 0.3407,  
0.3615

■ 32.1324, 0.3747,  
0.4018

■ 84.0039, 0.3583,  
0.3822

■ 21.4627, 0.3830,  
0.4119

■ 109.1964, 0.3546,  
0.3778

■ 13.4626, 0.3937,  
0.4249

■ 138.9806, 0.3514,  
0.3740

■ 7.7479, 0.4078,  
0.4424

173.7409, 0.3487,  
0.3708

■ 3.9340, 0.4264,  
0.4663

213.8616, 0.3463,  
0.3680

■ 1.6367, 0.4744,  
0.5256

259.7273, 0.3442,

■ 0.3822, 0.4481,

0.3656

0.5519

311.7221, 0.3424,  
0.3634

0.0000, 0.0000,  
0.0000

45.8563, 0.3681,  
0.3939

45.8563, 0.3681,  
0.3939

43.5987, 0.3864,  
0.4131

48.2761, 0.3503,  
0.3741

41.4909, 0.4045,  
0.4309

50.8575, 0.3334,  
0.3543

39.5282, 0.4219,  
0.4460

53.6080, 0.3177,  
0.3352

37.7031, 0.4376,  
0.4577

56.5327, 0.3032,  
0.3170

36.0071, 0.4509,  
0.4650

59.6363, 0.2901,  
0.3000

■ 34.4300, 0.4614,  
0.4675

■ 62.9233, 0.2782,  
0.2842

■ 33.4324, 0.4671,  
0.4673

■ 65.6366, 0.2739,  
0.2811

■ 67.9065, 0.2743,  
0.2862

■ 70.2394, 0.2747,  
0.2912

# Harmonies

## Analogous

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



45.8563, 0.3880, 0.3727



45.8563, 0.3681, 0.3939



45.8563, 0.3339, 0.3977

# Triad

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



45.8563, 0.3681, 0.3939



45.8563, 0.2440, 0.3080



45.8563, 0.3270, 0.2852

# Complementary

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



45.8563, 0.3681, 0.3939



28.9242, 0.2564, 0.2542

# 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.



45.8563, 0.2882, 0.2692



45.8563, 0.3681, 0.3939



45.8563, 0.2423, 0.2800

# Square

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



45.8563, 0.3681, 0.3939



45.8563, 0.2628, 0.3452



45.8563, 0.2579, 0.2668



45.8563, 0.3638, 0.3113



# Rectangle

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



45.8563, 0.3681, 0.3939



45.8563, 0.3080, 0.3879



45.8563, 0.2579, 0.2668



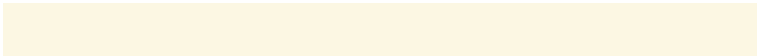
45.8563, 0.3137, 0.2785

# Sweetspot

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



45.8584, 0.3681, 0.3939



92.6346, 0.3283, 0.3481



29.6116, 0.3713, 0.3088



20.1338, 0.3306, 0.3509



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.



45.8584, 0.3681, 0.3939



79.1698, 0.3814, 0.4080



50.0593, 0.3472, 0.4156



11.3521, 0.3270, 0.3466



21.8650, 0.4663, 0.4679



1.0432, 0.4538, 0.4779



# Inverse Universe

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



28.9242, 0.2564, 0.2542



44.2384, 0.2427, 0.2346



26.1345, 0.2692, 0.2351



10.1162, 0.2983, 0.3107



3.8849, 0.1574, 0.0866



0.2765, 0.1696, 0.1304



# Previews

## White Background



This preview shows how the Yxy color 45.8563, 0.3681, 0.3939 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

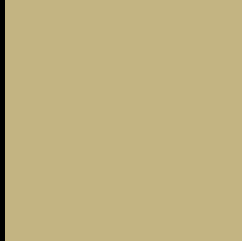
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.8563, 0.3681, 0.3939 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

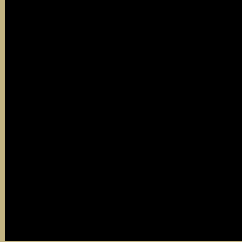
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.8563, 0.3681, 0.3939**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.8563, 0.3681, 0.3939.



This preview shows how white text looks on a background with the Yxy color 45.8563, 0.3681, 0.3939.

# 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

45.8563, 0.3681, 0.3939

### Protanopia

45.7236, 0.3672, 0.3941

### Deuteranopia

45.8220, 0.3883, 0.3804



## Tritanopia

45.8498, 0.3269, 0.3129

# Trichromacy



**Original Color**

45.8563, 0.3681, 0.3939

**Protanomaly**

45.7236, 0.3672, 0.3941

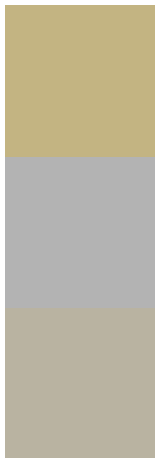
**Deuteranomaly**

45.9548, 0.3803, 0.3853

**Tritanomaly**

45.9460, 0.3419, 0.3418

# Monochromacy



**Original Color**

45.8563, 0.3681, 0.3939

**Achromatopsia**

45.0786, 0.3127, 0.3290

**Achromatomaly**

45.1277, 0.3328, 0.3529

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.8563, 0.3681, 0.3939 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(195, 180, 130)` looks like.

```
.text, #text, p{  
    color:rgb(195, 180, 130)  
}
```

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(195, 180, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 180, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 45.8563, 0.3681, 0.3939 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(195, 180, 130) }
```

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

```
.border{ border-color:rgb(195, 180, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 180, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 180, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 180, 130);  
box-shadow:4px 4px 4px 4px rgb(195, 180,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.8563, 0.3681, 0.3939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 180, 130) }
```

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

```
.background{ background-color: rgb(195,  
180, 130) }
```

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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