

# Converting Colors

$Yxy(51.3150, 0.3461, 0.3691)$

Have a look what the booklet for  
Yxy(51.3150, 0.3461, 0.3691)  
contains.

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# Color

**Yxy(51.4376, 0.3455, 0.3692)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7BE9E
RGB	199, 190, 158
RGB Percent	78%, 75%, 62%
CMY	0.2197, 0.2549, 0.3803
CMYK	0.00, 0.05, 0.21, 0.22
HSL	47°, 27%, 70%
HSV	47°, 21%, 78%
XYZ	48.1357, 51.4376, 39.7485
YIQ	189.0430, 15.6360, -8.0440

# Conversions

## Conversions Part 2

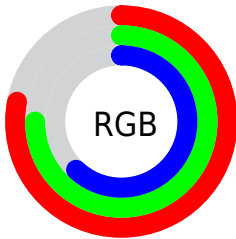
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 199, 158
Decimal	13090462
CIELab	76.94, -2.07, 17.31
CIELCh	77, 17.432, 96.823
Yxy	51.4376, 0.3455, 0.3692
Android (android.graphics.Color)	4291280542 (0xFFC7BE9E)
YUV	189.0430, -15.3042, 8.7323
Hunter-Lab	71.7200, -5.7078, 17.3444

# Details

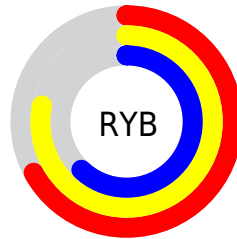
The Yxy color  $51.4376, 0.3455, 0.3692$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $39.0289, 0.2795, 0.2853$ , and the grayscale version is  $50.9978, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $91.9756, 0.3389, 0.3616$ , and  $24.9726, 0.3540, 0.3798$  is the 20% darker color. If you saturate the color by 10%, you get  $48.9491, 0.3630, 0.3894$ , and if you desaturate by 10%, it is  $54.0981, 0.3290, 0.3493$ .

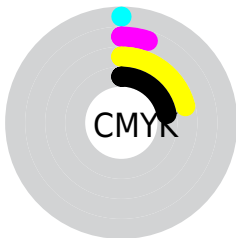
# Distribution



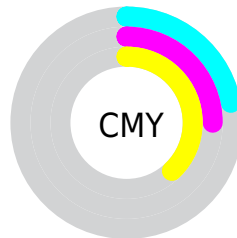
- Red (78%)
- Green (75%)
- Blue (62%)



- Red (67%)
- Yellow (78%)
- Blue (62%)



- Cyan (0%)
- Magenta (5%)
- Yellow (21%)
- Black (22%)




- Cyan (22%)
- Magenta (25%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4376, 0.3455, 0.3692 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 51.4376, 0.3455, 0.3692 by changing the saturation by 10% instead.




 51.4376, 0.3455,  
0.3692

 51.4376, 0.3455,  
0.3692

392.2616, 0.3295,  
0.3494

 36.5570, 0.3494,  
0.3740


 92.3013, 0.3398,  
0.3621

 24.8647, 0.3543,  
0.3802


 119.0532, 0.3376,  
0.3594

 15.9763, 0.3607,  
0.3883


150.5309, 0.3357,  
0.3571

 9.5074, 0.3693,  
0.3993

187.1189, 0.3341,  
0.3551

 5.0736, 0.3815,  
0.4152

229.2016, 0.3327,  
0.3534

 2.2905, 0.4002,  
0.4400

277.1633, 0.3315,

 0.7687, 0.4694,

0.3519

0.5306

331.3885, 0.3304,  
0.3506

0.0000, 0.0000,  
0.0000

51.4376, 0.3455,  
0.3692

51.4376, 0.3455,  
0.3692

48.9491, 0.3630,  
0.3894

54.0981, 0.3290,  
0.3493

46.6199, 0.3810,  
0.4091

56.9292, 0.3136,  
0.3301

44.4461, 0.3990,  
0.4276

59.9382, 0.2995,  
0.3119

42.4207, 0.4163,  
0.4437

63.1302, 0.2866,  
0.2950

40.5364, 0.4322,  
0.4566

66.3468, 0.2765,  
0.2818

■ 38.7844, 0.4458,  
0.4653

■ 68.5527, 0.2769,  
0.2867

■ 37.1549, 0.4566,  
0.4693

■ 70.8177, 0.2772,  
0.2916

■ 35.7149, 0.4644,  
0.4694

■ 73.1425, 0.2776,  
0.2964

■ 75.5274, 0.2779,  
0.3012

# Harmonies

## Analogous

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



51.4376, 0.3580, 0.3579



51.4376, 0.3455, 0.3692



51.4376, 0.3244, 0.3695

# Triad

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



51.4376, 0.3455, 0.3692



51.4376, 0.2695, 0.3154



51.4376, 0.3236, 0.3027

# Complementary

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



51.4376, 0.3455, 0.3692



39.0289, 0.2795, 0.2853

# 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.



51.4376, 0.2997, 0.2919



51.4376, 0.3455, 0.3692



51.4376, 0.2693, 0.2984

# Square

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



51.4376, 0.3455, 0.3692



51.4376, 0.2809, 0.3374



51.4376, 0.2801, 0.2902



51.4376, 0.3452, 0.3199



# Rectangle

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



51.4376, 0.3455, 0.3692



51.4376, 0.3085, 0.3628



51.4376, 0.2801, 0.2902



51.4376, 0.3156, 0.2982

# Sweetspot

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



51.4399, 0.3455, 0.3692



96.9339, 0.3219, 0.3405



39.4123, 0.3441, 0.3168



20.6779, 0.3229, 0.3418



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

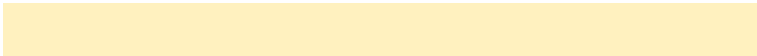


# Same Dimension

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



51.4399, 0.3455, 0.3692



87.9651, 0.3538, 0.3789



54.0061, 0.3343, 0.3813



12.0075, 0.3270, 0.3469



23.1041, 0.4637, 0.4700



1.1946, 0.4527, 0.4788



# Inverse Universe

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



39.0289, 0.2795, 0.2853



62.0934, 0.2709, 0.2736



37.0128, 0.2880, 0.2741



10.6579, 0.2983, 0.3104



3.8979, 0.1568, 0.0843



0.2953, 0.1679, 0.1243



# Previews

## White Background



This preview shows how the Yxy color 51.4376, 0.3455, 0.3692 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

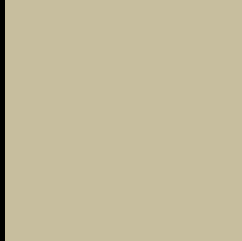
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.4376, 0.3455, 0.3692 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

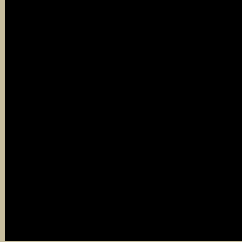
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

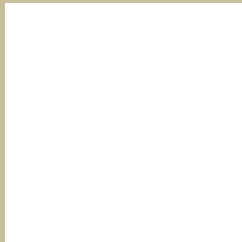
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.4376, 0.3455, 0.3692**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.4376, 0.3455, 0.3692.



This preview shows how white text looks on a background with the Yxy color 51.4376, 0.3455, 0.3692.

# 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

51.4376, 0.3455, 0.3692

### Protanopia

51.7130, 0.3473, 0.3690

### Deuteranopia

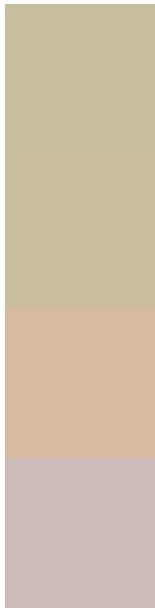
51.4302, 0.3644, 0.3576



## Tritanopia

51.2419, 0.3177, 0.3110

# Trichromacy



## Original Color

51.4376, 0.3455, 0.3692

## Protanomaly

51.5749, 0.3464, 0.3691

## Deuteranomaly

51.6181, 0.3573, 0.3618

## Tritanomaly

51.1351, 0.3278, 0.3315

# Monochromacy



## Original Color

51.4376, 0.3455, 0.3692

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

50.9470, 0.3246, 0.3429

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.4376, 0.3455, 0.3692 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(199, 190, 158)` looks like.

```
.text, #text, p{  
    color:rgb(199, 190, 158)  
}
```

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(199, 190, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 190, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 51.4376, 0.3455, 0.3692 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(199, 190, 158) }
```

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

```
.border{ border-color:rgb(199, 190, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 190, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 190, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 190, 158);  
box-shadow:4px 4px 4px 4px rgb(199, 190,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.4376, 0.3455, 0.3692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 190, 158) }
```

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

```
.background{ background-color: rgb(199,  
190, 158) }
```

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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