

# Converting Colors

$Yxy(50.0758, 0.3380, 0.3552)$

Have a look what the booklet for  
Yxy(50.0758, 0.3380, 0.3552)  
contains.

<b>Yxy(50.1641, 0.3379, 0.3555)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(50.1641, 0.3379, 0.3555)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5BBA6
RGB	197, 187, 166
RGB Percent	77%, 73%, 65%
CMY	0.2275, 0.2667, 0.3489
CMYK	0.00, 0.05, 0.16, 0.23
HSL	41°, 21%, 71%
HSV	41°, 16%, 77%
XYZ	47.6806, 50.1641, 43.2639
YIQ	187.5960, 12.7010, -4.4110

# Conversions

## Conversions Part 2

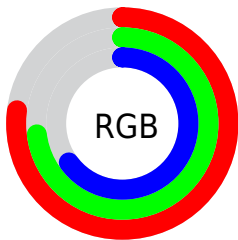
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 197, 166
Decimal	12958630
CIE <sub>Lab</sub>	76.17, 0.00, 11.88
CIE <sub>LCh</sub>	76, 11.879, 89.985
Yxy	50.1641, 0.3379, 0.3555
Android (android.graphics.Color)	4291148710 (0xFFC5BBA6)
YUV	187.5960, -10.6468, 8.2473
Hunter-Lab	70.8266, -3.7801, 13.3618

# Details

The Yxy color  $50.1641, 0.3379, 0.3555$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $43.2040, 0.2880, 0.3010$ , and the grayscale version is  $50.1064, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $90.3925, 0.3336, 0.3508$ , and  $24.1047, 0.3449, 0.3632$  is the 20% darker color. If you saturate the color by 10%, you get  $46.8595, 0.3559, 0.3732$ , and if you desaturate by 10%, it is  $53.7034, 0.3214, 0.3384$ .

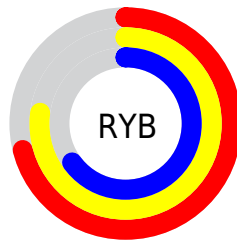
# Distribution



Red (77%)

Green (73%)

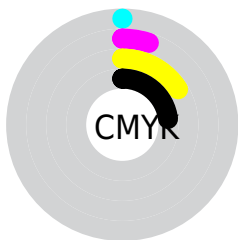
Blue (65%)



Red (71%)

Yellow (77%)

Blue (65%)

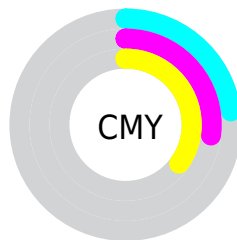


Cyan (0%)

Magenta (5%)

Yellow (16%)

Black (23%)



Cyan (23%)

Magenta (27%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1641, 0.3379, 0.3555 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 50.1641, 0.3379, 0.3555 by changing the saturation by 10% instead.





 50.1641, 0.3379,  
0.3555

 50.1641, 0.3379,  
0.3555

387.3073, 0.3255,  
0.3424

 35.5438, 0.3410,  
0.3587


 90.4180, 0.3334,  
0.3508

 24.0821, 0.3448,  
0.3628


 116.8203, 0.3317,  
0.3490

 15.3945, 0.3500,  
0.3682


147.9188, 0.3303,  
0.3475

 9.0967, 0.3570,  
0.3756

184.0979, 0.3291,  
0.3462

 4.8043, 0.3673,  
0.3864

225.7419, 0.3280,  
0.3451

 2.1329, 0.3834,  
0.4034

273.2352, 0.3270,

 0.6830, 0.4873,

0.3441

0.5127

326.9622, 0.3262,  
0.3432

0.0000, 0.0000,  
0.0000

50.1641, 0.3379,  
0.3555

50.1641, 0.3379,  
0.3555

46.8595, 0.3559,  
0.3732

53.7034, 0.3214,  
0.3384

43.7762, 0.3752,  
0.3909

57.4768, 0.3065,  
0.3222

40.9097, 0.3956,  
0.4080

61.4925, 0.2931,  
0.3070

38.2523, 0.4163,  
0.4235

65.7562, 0.2812,  
0.2929

35.7960, 0.4366,  
0.4364

69.6436, 0.2758,  
0.2895

■ 33.5318, 0.4555,  
0.4456

■ 73.0203, 0.2764,  
0.2966

■ 31.4496, 0.4721,  
0.4501

■ 76.5251, 0.2769,  
0.3037

■ 29.5369, 0.4855,  
0.4496

■ 80.1592, 0.2775,  
0.3106

■ 28.7595, 0.4908,  
0.4485

■ 83.9240, 0.2780,  
0.3175

# Harmonies

## Analogous

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



50.1641, 0.3445, 0.3467



50.1641, 0.3379, 0.3555



50.1641, 0.3246, 0.3572

# Triad

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



50.1641, 0.3379, 0.3555



50.1641, 0.2839, 0.3232



50.1641, 0.3166, 0.3085

# Complementary

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



50.1641, 0.3379, 0.3555



43.2040, 0.2880, 0.3010

# 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.



50.1641, 0.3004, 0.3023



50.1641, 0.3379, 0.3555



50.1641, 0.2819, 0.3103

# Square

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



50.1641, 0.3379, 0.3555



50.1641, 0.2935, 0.3382



50.1641, 0.2878, 0.3028



50.1641, 0.3320, 0.3198



# Rectangle

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



50.1641, 0.3379, 0.3555



50.1641, 0.3138, 0.3539



50.1641, 0.2878, 0.3028



50.1641, 0.3110, 0.3057

# Sweetspot

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



50.1663, 0.3379, 0.3555



96.6085, 0.3204, 0.3373



42.3047, 0.3326, 0.3159



20.5781, 0.3215, 0.3385



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

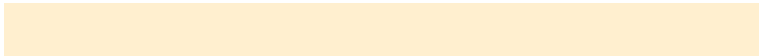


# Same Dimension

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



50.1663, 0.3379, 0.3555



87.6894, 0.3442, 0.3618



53.8692, 0.3317, 0.3681



11.8175, 0.3273, 0.3446



19.0745, 0.4896, 0.4494



1.0304, 0.4715, 0.4638



# Inverse Universe

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



43.2040, 0.2880, 0.3010



72.7621, 0.2821, 0.2939



39.9976, 0.2919, 0.2878



10.8371, 0.2983, 0.3129



5.1676, 0.1630, 0.1068

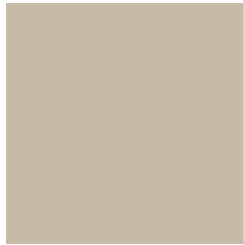


0.3770, 0.1750, 0.1501



# Previews

## White Background



This preview shows how the Yxy color 50.1641, 0.3379, 0.3555 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

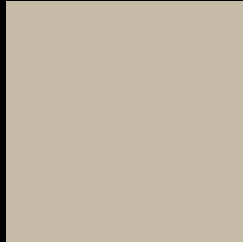
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.1641, 0.3379, 0.3555 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

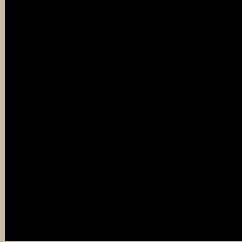
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

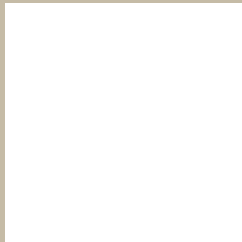
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.1641, 0.3379, 0.3555**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.1641, 0.3379, 0.3555.



This preview shows how white text looks on a background with the Yxy color 50.1641, 0.3379, 0.3555.

# 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

50.1641, 0.3379, 0.3555

### Protanopia

50.0296, 0.3371, 0.3556

### Deuteranopia

49.9839, 0.3527, 0.3460



## Tritanopia

50.3157, 0.3169, 0.3120

# Trichromacy



## Original Color

50.1641, 0.3379, 0.3555

## Protanomaly

50.0296, 0.3371, 0.3556

## Deuteranomaly

49.9224, 0.3468, 0.3488

## Tritanomaly

50.1055, 0.3247, 0.3266

# Monochromacy



## Original Color

50.1641, 0.3379, 0.3555

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

50.3381, 0.3214, 0.3391

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.1641, 0.3379, 0.3555 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(197, 187, 166)` looks like.

```
.text, #text, p{  
    color:rgb(197, 187, 166)  
}
```

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(197, 187, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 187, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 50.1641, 0.3379, 0.3555 is called "border". The border property can be set on classes, ids or directly on the HTML element.

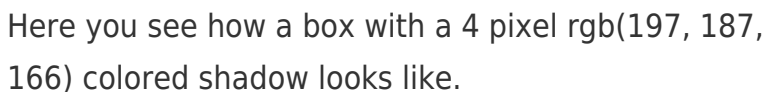
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 187, 166) }
```

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

```
.border{ border-color:rgb(197, 187, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 187, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 187, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 187, 166);  
box-shadow:4px 4px 4px 4px rgb(197, 187,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.1641, 0.3379, 0.3555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 187, 166) }
```

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

```
.background{ background-color: rgb(197,  
187, 166) }
```

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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