

# Converting Colors

Yxy(51.3276, 0.3327, 0.3620)

Have a look what the booklet for  
Yxy(51.3276, 0.3327, 0.3620)  
contains.

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# Color

**Yxy(51.0911, 0.3320, 0.3609)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFBFA6
RGB	191, 191, 166
RGB Percent	75%, 75%, 65%
CMY	0.2510, 0.2510, 0.3489
CMYK	0.00, 0.00, 0.13, 0.25
HSL	60°, 16%, 70%
HSV	60°, 13%, 75%
XYZ	46.9998, 51.0911, 43.4749
YIQ	188.1500, 8.0250, -7.7750

# Conversions

## Conversions Part 2

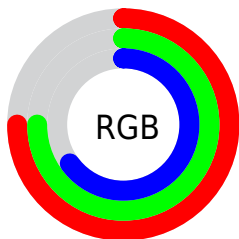
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">166, 191, 166</a>
Decimal	<a href="#">12566438</a>
CIELab	<a href="#">76.73, -4.33, 12.61</a>
CIELCh	<a href="#">77, 13.336, 108.942</a>
Yxy	<a href="#">51.0911, 0.3320, 0.3609</a>
Android (android.graphics.Color)	<a href="#">4290756518</a> ( <a href="#">0xFFBFBFA6</a> )
YUV	<a href="#">188.1500, -10.9200, 2.4994</a>
Hunter-Lab	<a href="#">71.4780, -7.7152, 13.9729</a>

# Details

The Yxy color **51.0911, 0.3320, 0.3609** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.1573, 0.2921, 0.2950**, and the grayscale version is **50.4403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5161, 0.3284, 0.3550**, and **24.7102, 0.3367, 0.3707** is the 20% darker color. If you saturate the color by 10%, you get **50.4420, 0.3471, 0.3858**, and if you desaturate by 10%, it is **51.8488, 0.3172, 0.3364**.

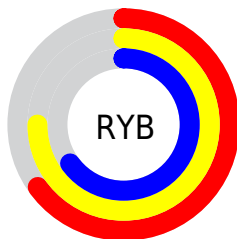
# Distribution



Red (75%)

Green (75%)

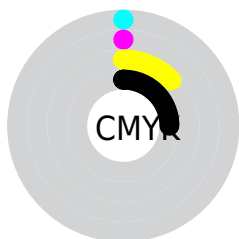
Blue (65%)



Red (65%)

Yellow (75%)

Blue (65%)

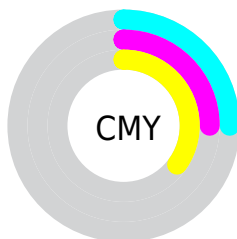


Cyan (0%)

Magenta (0%)

Yellow (13%)

Black (25%)



Cyan (25%)

Magenta (25%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0911, 0.3320, 0.3609 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 51.0911, 0.3320, 0.3609 by changing the saturation by 10% instead.




 51.0911, 0.3320,  
0.3609

 51.0911, 0.3320,  
0.3609


390.9176, 0.3226,  
0.3451

 36.2811, 0.3343,  
0.3648


 91.7894, 0.3286,  
0.3552

 24.6514, 0.3372,  
0.3698


 118.4465, 0.3274,  
0.3530

 15.8175, 0.3409,  
0.3765


149.8215, 0.3263,  
0.3512

 9.3951, 0.3460,  
0.3857

186.2987, 0.3253,  
0.3496

 4.9998, 0.3533,  
0.3992

228.2625, 0.3245,  
0.3482

 2.2471, 0.3644,  
0.4210

276.0973, 0.3238,

 0.7455, 0.4471,

0.3470

0.5529

330.1876, 0.3232,  
0.3460

0.0000, 0.0000,  
0.0000

51.0911, 0.3320,  
0.3609

51.0911, 0.3320,  
0.3609

50.4420, 0.3471,  
0.3858

51.8488, 0.3172,  
0.3364

49.8902, 0.3619,  
0.4104

52.7127, 0.3029,  
0.3128

49.4330, 0.3760,  
0.4338

53.6890, 0.2895,  
0.2906

49.0652, 0.3888,  
0.4549

54.7816, 0.2770,  
0.2699

48.7808, 0.3997,  
0.4730

55.5662, 0.2693,  
0.2572

■ 48.5732, 0.4083,  
0.4872

■ 55.5677, 0.2693,  
0.2572

■ 48.4351, 0.4144,  
0.4972

■ 55.5691, 0.2693,  
0.2572

■ 48.3572, 0.4178,  
0.5030

■ 55.5705, 0.2694,  
0.2572

■ 48.3266, 0.4192,  
0.5053

■ 55.5720, 0.2694,  
0.2572

# Harmonies

## Analogous

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



51.0911, 0.3446, 0.3557



51.0911, 0.3320, 0.3609



51.0911, 0.3145, 0.3571

# Triad

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



51.0911, 0.3320, 0.3609



51.0911, 0.2782, 0.3128



51.0911, 0.3283, 0.3136

# Complementary

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



51.0911, 0.3320, 0.3609



39.1573, 0.2921, 0.2950

# 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.



51.0911, 0.3101, 0.3029



51.0911, 0.3320, 0.3609



51.0911, 0.2816, 0.3020

# Square

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



51.0911, 0.3320, 0.3609



51.0911, 0.2837, 0.3286



51.0911, 0.2931, 0.2986



51.0911, 0.3425, 0.3283



# Rectangle

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



51.0911, 0.3320, 0.3609



51.0911, 0.3024, 0.3499



51.0911, 0.2931, 0.2986



51.0911, 0.3224, 0.3094

# Sweetspot

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



51.0933, 0.3320, 0.3609



92.7137, 0.3186, 0.3388



41.1150, 0.3363, 0.3291



20.3353, 0.3197, 0.3406



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.



51.0933, 0.3320, 0.3609



91.1124, 0.3368, 0.3688



49.5446, 0.3214, 0.3620



11.1203, 0.3264, 0.3517



31.7578, 0.4192, 0.5053



1.2441, 0.4192, 0.5053



# Inverse Universe

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



39.1573, 0.2921, 0.2950



65.1191, 0.2866, 0.2858



40.5718, 0.3030, 0.2961



9.2256, 0.2984, 0.3053



2.4727, 0.1500, 0.0600



0.0969, 0.1501, 0.0601



# Previews

## White Background



This preview shows how the Yxy color 51.0911, 0.3320, 0.3609 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

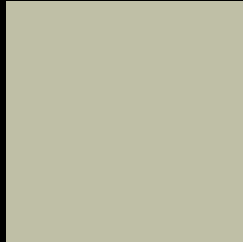
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.0911, 0.3320, 0.3609 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

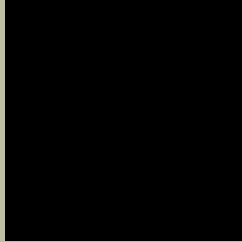
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

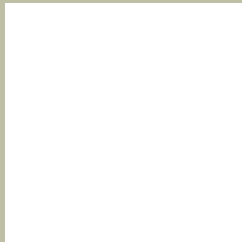
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.0911, 0.3320, 0.3609**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.0911, 0.3320, 0.3609.



This preview shows how white text looks on a background with the Yxy color 51.0911, 0.3320, 0.3609.

# 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

51.0911, 0.3320, 0.3609

### Protanopia

51.1176, 0.3392, 0.3592

### Deuteranopia

50.7301, 0.3533, 0.3459



## Tritanopia

51.0706, 0.3095, 0.3107

# Trichromacy



## Original Color

51.0911, 0.3320, 0.3609

## Protanomaly

51.1456, 0.3364, 0.3607

## Deuteranomaly

50.6098, 0.3455, 0.3512

## Tritanomaly

51.0666, 0.3177, 0.3290

# Monochromacy



## Original Color

51.0911, 0.3320, 0.3609

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

50.5093, 0.3196, 0.3404

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.0911, 0.3320, 0.3609 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(191, 191, 166)` looks like.

```
.text, #text, p{  
    color:rgb(191, 191, 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(191, 191, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 191, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 51.0911, 0.3320, 0.3609 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(191, 191, 166) }
```

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

```
.border{ border-color:rgb(191, 191, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 191, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 191, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 191, 166);  
box-shadow:4px 4px 4px 4px rgb(191, 191,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.0911, 0.3320, 0.3609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 191, 166) }
```

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

```
.background{ background-color: rgb(191,  
191, 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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