

# Converting Colors

Yxy(50.7832, 0.3114, 0.3359)

Have a look what the booklet for  
Yxy(50.7832, 0.3114, 0.3359)  
contains.

<b>Yxy(50.9547, 0.3115, 0.3366)</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(50.9547, 0.3115, 0.3366)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8BFB9
RGB	184, 191, 185
RGB Percent	72%, 75%, 73%
CMY	0.2785, 0.2510, 0.2743
CMYK	0.04, 0.00, 0.03, 0.25
HSL	129°, 5%, 74%
HSV	129°, 4%, 75%
XYZ	47.1550, 50.9547, 53.2708
YIQ	188.2230, -2.2460, -3.3500

# Conversions

## Conversions Part 2

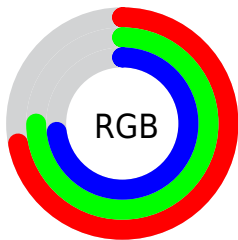
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 190, 191
Decimal	12107705
CIELab	76.65, -3.54, 2.15
CIELCh	77, 4.140, 148.714
Yxy	50.9547, 0.3115, 0.3366
Android (android.graphics.Color)	4290297785 (0xFFB8BFB9)
YUV	188.2230, -1.5889, -3.7036
Hunter-Lab	71.3826, -7.0031, 5.7213

# Details

The Yxy color **50.9547, 0.3115, 0.3366** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.0665, 0.3140, 0.3215**, and the grayscale version is **50.4338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3977, 0.3118, 0.3350**, and **24.6682, 0.3111, 0.3394** is the 20% darker color. If you saturate the color by 10%, you get **48.1086, 0.3081, 0.3592**, and if you desaturate by 10%, it is **54.2019, 0.3148, 0.3168**.

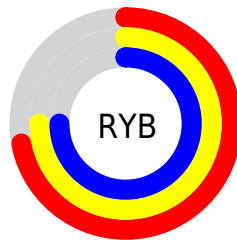
# Distribution



Red (72%)

Green (75%)

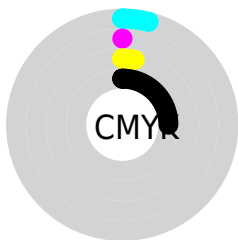
Blue (73%)



Red (72%)

Yellow (75%)

Blue (75%)

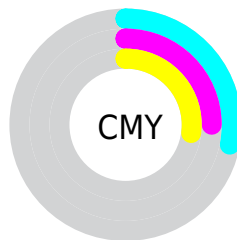


Cyan (4%)

Magenta (0%)

Yellow (3%)

Black (25%)



Cyan (28%)

Magenta (25%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9547, 0.3115, 0.3366 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 50.9547, 0.3115, 0.3366 by changing the saturation by 10% instead.



■ 50.9547, 0.3115,  
0.3366

■ 50.9547, 0.3115,  
0.3366

390.3878, 0.3121,  
0.3328

■ 36.1726, 0.3113,  
0.3375

■ 91.5878, 0.3117,  
0.3352

■ 24.5675, 0.3111,  
0.3387

118.2076, 0.3118,  
0.3347

■ 15.7551, 0.3109,  
0.3403

149.5420, 0.3119,  
0.3343

■ 9.3510, 0.3105,  
0.3425

185.9754, 0.3119,  
0.3339

■ 4.9709, 0.3100,  
0.3457

227.8924, 0.3120,  
0.3336

■ 2.2302, 0.3090,  
0.3510

275.6771, 0.3120,

■ 0.7364, 0.3066,

0.3333

0.3679

329.7141, 0.3121,  
0.3331

0.0000, 0.0000,  
0.0000

50.9547, 0.3115,  
0.3366

50.9547, 0.3115,  
0.3366

48.1086, 0.3081,  
0.3592

54.2019, 0.3148,  
0.3168

45.6417, 0.3047,  
0.3846

57.8580, 0.3179,  
0.2995

43.5399, 0.3015,  
0.4127

61.9389, 0.3208,  
0.2846

41.7857, 0.2985,  
0.4429

65.4221, 0.3193,  
0.2709

40.3603, 0.2961,  
0.4743

65.7441, 0.3157,  
0.2663

■ 39.2429, 0.2945,  
0.5054

■ 38.4104, 0.2938,  
0.5345

■ 37.8365, 0.2942,  
0.5594

■ 37.4895, 0.2956,  
0.5786

# Harmonies

## Analogous

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



50.9547, 0.3171, 0.3387



50.9547, 0.3115, 0.3366



50.9547, 0.3062, 0.3324

# Triad

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



50.9547, 0.3115, 0.3366



50.9547, 0.3039, 0.3200



50.9547, 0.3228, 0.3305

# Complementary

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



50.9547, 0.3115, 0.3366



49.0665, 0.3140, 0.3215

# 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.



50.9547, 0.3192, 0.3256



50.9547, 0.3115, 0.3366



50.9547, 0.3083, 0.3195

# Square

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



50.9547, 0.3115, 0.3366



50.9547, 0.3019, 0.3228



50.9547, 0.3139, 0.3216



50.9547, 0.3237, 0.3351



# Rectangle

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



50.9547, 0.3115, 0.3366



50.9547, 0.3036, 0.3291



50.9547, 0.3139, 0.3216



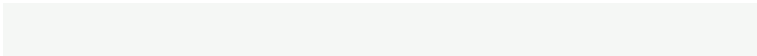
50.9547, 0.3219, 0.3289

# Sweetspot

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



50.9569, 0.3115, 0.3366



92.7339, 0.3124, 0.3311



51.6651, 0.3172, 0.3378



20.3698, 0.3124, 0.3310



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.



50.9569, 0.3115, 0.3366



91.0478, 0.3114, 0.3374



51.1069, 0.3089, 0.3321



10.9671, 0.3112, 0.3387



24.5530, 0.2961, 0.5860



0.9693, 0.2857, 0.5486



# Inverse Universe

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



49.0665, 0.3140, 0.3215



87.3158, 0.3141, 0.3207



48.9151, 0.3167, 0.3259



10.4504, 0.3143, 0.3195



9.0084, 0.3625, 0.1771

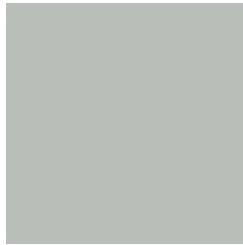


0.3597, 0.3511, 0.1708



# Previews

## White Background



This preview shows how the Yxy color 50.9547, 0.3115, 0.3366 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

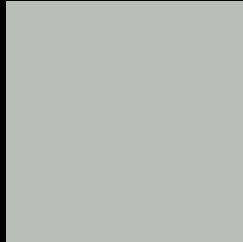
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.9547, 0.3115, 0.3366 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

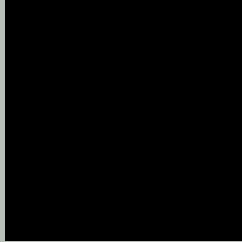
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

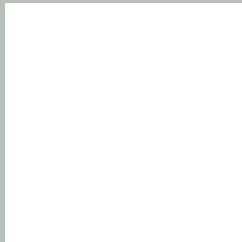
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.9547, 0.3115, 0.3366**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.9547, 0.3115, 0.3366.



This preview shows how white text looks on a background with the Yxy color 50.9547, 0.3115, 0.3366.

# 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

50.9547, 0.3115, 0.3366

### Protanopia

50.8547, 0.3216, 0.3353

### Deuteranopia

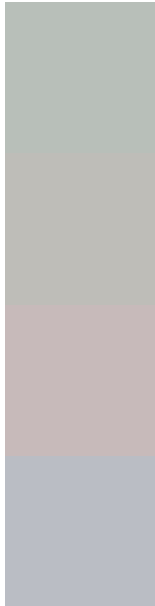
50.8647, 0.3309, 0.3242



## Tritanopia

50.8430, 0.3007, 0.3104

# Trichromacy



## Original Color

50.9547, 0.3115, 0.3366

## Protanomaly

50.8030, 0.3174, 0.3353

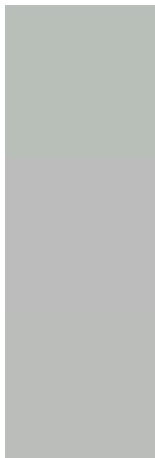
## Deuteranomaly

50.8051, 0.3237, 0.3290

## Tritanomaly

50.8198, 0.3050, 0.3202

# Monochromacy



## Original Color

50.9547, 0.3115, 0.3366

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

50.5478, 0.3126, 0.3315

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.9547, 0.3115, 0.3366 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(184, 191, 185)` looks like.

```
.text, #text, p{  
    color:rgb(184, 191, 185)  
}
```

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(184, 191, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 191, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 50.9547, 0.3115, 0.3366 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(184, 191, 185) }
```

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

```
.border{ border-color:rgb(184, 191, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 191, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 191, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 191, 185);  
box-shadow:4px 4px 4px 4px rgb(184, 191,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.9547, 0.3115, 0.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 191, 185) }
```

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

```
.background{ background-color: rgb(184,  
191, 185) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor