

# Converting Colors

$Yxy(49.0426, 0.3137, 0.3357)$

Have a look what the booklet for  
Yxy(49.0426, 0.3137, 0.3357)  
contains.

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# Color

**Yxy(48.9853, 0.3132, 0.3355)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7BBB6
RGB	183, 187, 182
RGB Percent	72%, 73%, 71%
CMY	0.2826, 0.2666, 0.2863
CMYK	0.02, 0.00, 0.03, 0.27
HSL	109°, 4%, 72%
HSV	109°, 3%, 73%
XYZ	45.7293, 48.9853, 51.2922
YIQ	185.2340, -0.7790, -2.4030

# Conversions

## Conversions Part 2

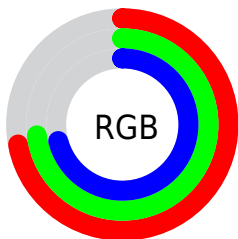
Format	Color
R <sub>Y</sub> B	182, 187, 186
Decimal	12041142
CIE Lab	75.44, -2.36, 2.04
CIE LCh	75, 3.116, 139.094
Yxy	48.9853, 0.3132, 0.3355
Android (android.graphics.Color)	4290231222 (0xFFB7BBB6)
YUV	185.2340, -1.5944, -1.9592
Hunter-Lab	69.9895, -5.8543, 5.5416

# Details

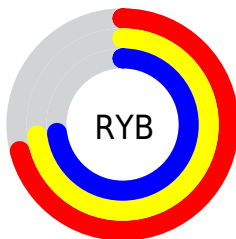
The Yxy color **48.9853, 0.3132, 0.3355** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.4873, 0.3122, 0.3226**, and the grayscale version is **48.6577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6250, 0.3131, 0.3340**, and **23.3810, 0.3134, 0.3378** is the 20% darker color. If you saturate the color by 10%, you get **46.5042, 0.3149, 0.3615**, and if you desaturate by 10%, it is **51.7745, 0.3114, 0.3124**.

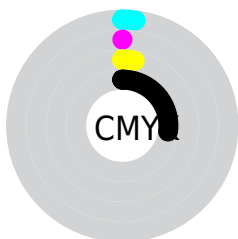
# Distribution



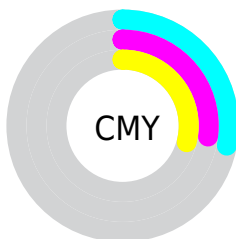
- Red (72%)
- Green (73%)
- Blue (71%)



- Red (71%)
- Yellow (73%)
- Blue (73%)



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (27%)



- Cyan (28%)
- Magenta (27%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9853, 0.3132, 0.3355 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 48.9853, 0.3132, 0.3355 by changing the saturation by 10% instead.



■ 48.9853, 0.3132,  
0.3355

■ 48.9853, 0.3132,  
0.3355

382.6844, 0.3130,  
0.3323

■ 34.6078, 0.3133,  
0.3363

■ 88.6696, 0.3131,  
0.3343

■ 23.3609, 0.3133,  
0.3373

114.7452, 0.3131,  
0.3339

■ 14.8602, 0.3134,  
0.3387

145.4891, 0.3131,  
0.3335

■ 8.7214, 0.3135,  
0.3406

181.2854, 0.3130,  
0.3332

■ 4.5599, 0.3137,  
0.3435

222.5187, 0.3130,  
0.3329

■ 1.9914, 0.3140,  
0.3482

269.5734, 0.3130,

■ 0.6025, 0.3159,

0.3327

0.3694

322.8339, 0.3130,  
0.3325

0.0000, 0.0000,  
0.0000

48.9853, 0.3132,  
0.3355

48.9853, 0.3132,  
0.3355

46.5042, 0.3149,  
0.3615

51.7745, 0.3114,  
0.3124

44.3145, 0.3164,  
0.3904

54.8754, 0.3095,  
0.2922

42.4073, 0.3175,  
0.4219

58.2996, 0.3077,  
0.2744

40.7710, 0.3181,  
0.4551

61.9398, 0.3072,  
0.2606

39.3929, 0.3179,  
0.4887

64.0312, 0.3158,  
0.2624

■ 38.2597, 0.3169,  
0.5209

■ 37.3563, 0.3149,  
0.5494

■ 36.6665, 0.3121,  
0.5722

■ 36.1711, 0.3086,  
0.5877

# Harmonies

## Analogous

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



48.9853, 0.3173, 0.3365



48.9853, 0.3132, 0.3355



48.9853, 0.3090, 0.3328

# Triad

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



48.9853, 0.3132, 0.3355



48.9853, 0.3053, 0.3226



48.9853, 0.3197, 0.3290

# Complementary

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



48.9853, 0.3132, 0.3355



47.4873, 0.3122, 0.3226

# 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.



48.9853, 0.3165, 0.3253



48.9853, 0.3132, 0.3355



48.9853, 0.3081, 0.3217

# Square

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



48.9853, 0.3132, 0.3355



48.9853, 0.3044, 0.3253



48.9853, 0.3122, 0.3227



48.9853, 0.3211, 0.3327



# Rectangle

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



48.9853, 0.3132, 0.3355



48.9853, 0.3067, 0.3303



48.9853, 0.3122, 0.3227



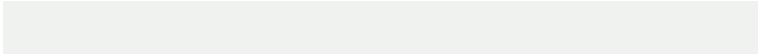
48.9853, 0.3188, 0.3277

# Sweetspot

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



48.9874, 0.3132, 0.3355



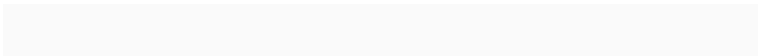
88.5093, 0.3129, 0.3314



49.0697, 0.3167, 0.3342



19.4967, 0.3129, 0.3313



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



48.9874, 0.3132, 0.3355



87.5437, 0.3133, 0.3364



48.9342, 0.3113, 0.3336



11.0546, 0.3134, 0.3381



24.7610, 0.3068, 0.5946



0.9964, 0.3224, 0.5822



# Inverse Universe

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



47.4873, 0.3122, 0.3226



84.5121, 0.3121, 0.3217



47.5423, 0.3142, 0.3245



10.5849, 0.3120, 0.3200



7.0836, 0.2742, 0.1284



0.3014, 0.2860, 0.1349



# Previews

## White Background



This preview shows how the Yxy color 48.9853, 0.3132, 0.3355 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

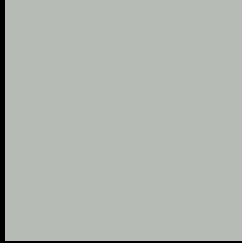
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.9853, 0.3132, 0.3355 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

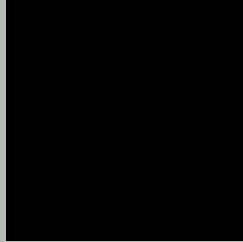
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

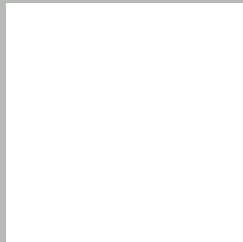
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.9853, 0.3132, 0.3355**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.9853, 0.3132, 0.3355.



This preview shows how white text looks on a background with the Yxy color 48.9853, 0.3132, 0.3355.

# 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

48.9853, 0.3132, 0.3355

### Protanopia

48.9813, 0.3201, 0.3341

### Deuteranopia

48.8988, 0.3312, 0.3254



## Tritanopia

48.8436, 0.3029, 0.3101

# Trichromacy



## Original Color

48.9853, 0.3132, 0.3355

## Protanomaly

49.0188, 0.3174, 0.3354

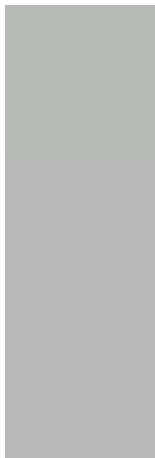
## Deuteranomaly

49.0216, 0.3238, 0.3290

## Tritanomaly

48.8625, 0.3066, 0.3188

# Monochromacy



## Original Color

48.9853, 0.3132, 0.3355

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.7688, 0.3126, 0.3316

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.9853, 0.3132, 0.3355 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(183, 187, 182)` looks like.

```
.text, #text, p{  
    color:rgb(183, 187, 182)  
}
```

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(183, 187, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 187, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 48.9853, 0.3132, 0.3355 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(183, 187, 182) }
```

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

```
.border{ border-color:rgb(183, 187, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 187, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 187, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 187, 182);  
box-shadow:4px 4px 4px 4px rgb(183, 187,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.9853, 0.3132, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 187, 182) }
```

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

```
.background{ background-color: rgb(183,  
187, 182) }
```

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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