

# Converting Colors

$Y_{xy}(49.9738, 0.3034, 0.3201)$

Have a look what the booklet for  
Yxy(49.9738, 0.3034, 0.3201)  
contains.

<b>Yxy(49.9738, 0.3034, 0.3201)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(49.9738, 0.3034, 0.3201)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B7BCC3
RGB	183, 188, 195
RGB Percent	72%, 74%, 76%
CMY	0.2822, 0.2628, 0.2353
CMYK	0.06, 0.04, 0.00, 0.24
HSL	215°, 9%, 74%
HSV	215°, 6%, 76%
XYZ	47.3666, 49.9738, 58.7789
YIQ	187.3030, -5.2270, 1.1170

# Conversions

## Conversions Part 2

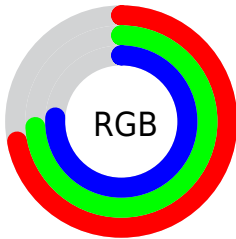
Format	Color
R <sub>Y</sub> B	183, 187, 195
Decimal	12041411
CIE Lab	76.05, -0.37, -4.14
CIE LCh	76, 4.152, 264.917
Yxy	49.9738, 0.3034, 0.3201
Android (android.graphics.Color)	4290231491 (0xFFB7BCC3)
YUV	187.3030, 3.7946, -3.7737
Hunter-Lab	70.6921, -4.1090, 0.1862

# Details

The Yxy color **49.9738, 0.3034, 0.3201** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.8632, 0.3222, 0.3377**, and the grayscale version is **49.8575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0804, 0.3048, 0.3211**, and **23.9969, 0.3011, 0.3186** is the 20% darker color. If you saturate the color by 10%, you get **43.0647, 0.2875, 0.3042**, and if you desaturate by 10%, it is **57.6037, 0.3184, 0.3343**.

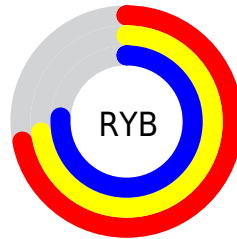
# Distribution



Red (72%)

Green (74%)

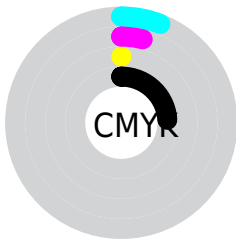
Blue (76%)



Red (72%)

Yellow (73%)

Blue (76%)

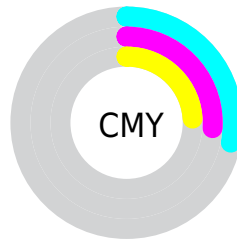


Cyan (6%)

Magenta (4%)

Yellow (0%)

Black (24%)



Cyan (28%)

Magenta (26%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9738, 0.3034, 0.3201 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 49.9738, 0.3034, 0.3201 by changing the saturation by 10% instead.



■ 49.9738, 0.3034,  
0.3201

■ 49.9738, 0.3034,  
0.3201

386.5635, 0.3080,  
0.3245

■ 35.3926, 0.3023,  
0.3190

■ 90.1361, 0.3051,  
0.3217

■ 23.9654, 0.3008,  
0.3176

116.4859, 0.3057,  
0.3223

■ 15.3080, 0.2989,  
0.3158

147.5274, 0.3062,  
0.3228

■ 9.0358, 0.2963,  
0.3133

183.6449, 0.3067,  
0.3232

■ 4.7646, 0.2924,  
0.3095

225.2229, 0.3071,  
0.3236

■ 2.1098, 0.2862,  
0.3035

272.6457, 0.3074,

■ 0.6701, 0.2709,

0.3240

0.2891

326.2978, 0.3077,  
0.3242

0.0000, 0.0000,  
0.0000

49.9738, 0.3034,  
0.3201

49.9738, 0.3034,  
0.3201

43.0647, 0.2875,  
0.3042

57.6037, 0.3184,  
0.3343

36.8477, 0.2710,  
0.2865

65.9694, 0.3324,  
0.3468

31.3013, 0.2540,  
0.2672

75.0934, 0.3454,  
0.3578

26.4002, 0.2370,  
0.2463

83.8338, 0.3529,  
0.3680

22.1177, 0.2206,  
0.2243

90.5262, 0.3505,  
0.3788

■ 18.4245, 0.2053,  
0.2016

■ 96.7202, 0.3484,  
0.3880

■ 15.2887, 0.1918,  
0.1791

■ 12.6741, 0.1807,  
0.1574

■ 10.5375, 0.1723,  
0.1373

# Harmonies

## Analogous

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



49.9738, 0.3017, 0.3232



49.9738, 0.3034, 0.3201



49.9738, 0.3076, 0.3194

# Triad

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



49.9738, 0.3034, 0.3201



49.9738, 0.3226, 0.3299



49.9738, 0.3122, 0.3371

# Complementary

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



49.9738, 0.3034, 0.3201



51.8632, 0.3222, 0.3377

# 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.



49.9738, 0.3178, 0.3389



49.9738, 0.3034, 0.3201



49.9738, 0.3239, 0.3347

# Square

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



49.9738, 0.3034, 0.3201



49.9738, 0.3187, 0.3250



49.9738, 0.3221, 0.3379



49.9738, 0.3068, 0.3331



# Rectangle

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



49.9738, 0.3034, 0.3201



49.9738, 0.3112, 0.3203



49.9738, 0.3221, 0.3379



49.9738, 0.3141, 0.3380

# Sweetspot

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



49.9759, 0.3034, 0.3201



94.9626, 0.3097, 0.3261



52.8196, 0.3069, 0.3353



20.8254, 0.3098, 0.3263



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

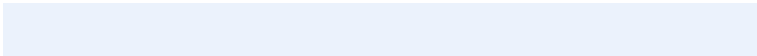


# Same Dimension

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



49.9759, 0.3034, 0.3201



88.2523, 0.3019, 0.3186



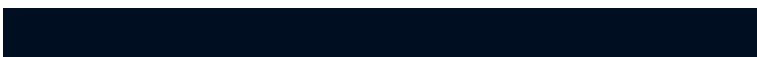
48.0122, 0.3043, 0.3138



10.7101, 0.3013, 0.3181



6.5359, 0.1702, 0.1326



0.4182, 0.1826, 0.1775



# Inverse Universe

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



49.1115, 0.3189, 0.3228



86.4870, 0.3200, 0.3218



53.9204, 0.3209, 0.3439



10.4844, 0.3204, 0.3214



7.9420, 0.5291, 0.2689



0.3569, 0.4716, 0.2371



# Previews

## White Background



This preview shows how the Yxy color 49.9738, 0.3034, 0.3201 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

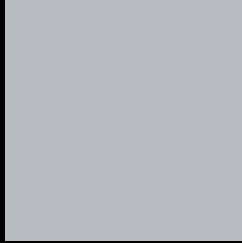
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.9738, 0.3034, 0.3201 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

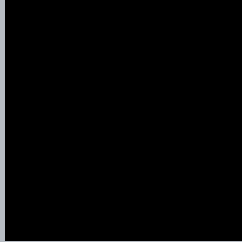
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

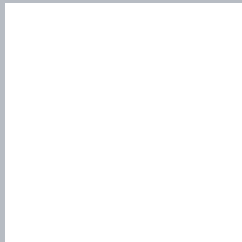
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.9738, 0.3034, 0.3201**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.9738, 0.3034, 0.3201.



This preview shows how white text looks on a background with the Yxy color 49.9738, 0.3034, 0.3201.

# 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

49.9738, 0.3034, 0.3201

### Protanopia

49.8317, 0.3091, 0.3190

### Deuteranopia

49.8589, 0.3177, 0.3120



## Tritanopia

49.9953, 0.2990, 0.3102

# Trichromacy



## Original Color

49.9738, 0.3034, 0.3201

## Protanomaly

50.0005, 0.3074, 0.3202

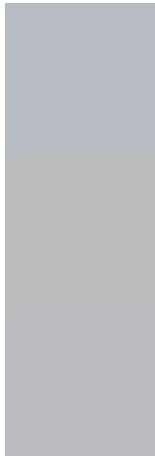
## Deuteranomaly

49.7358, 0.3117, 0.3142

## Tritanomaly

49.8545, 0.3012, 0.3139

# Monochromacy



## Original Color

49.9738, 0.3034, 0.3201

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

49.6975, 0.3096, 0.3252

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.9738, 0.3034, 0.3201 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, 188, 195)` looks like.

```
.text, #text, p{  
    color:rgb(183, 188, 195)  
}
```

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, 188, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 188, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 49.9738, 0.3034, 0.3201 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, 188, 195) }
```

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

```
.border{ border-color:rgb(183, 188, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 188, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 188, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 188, 195);  
box-shadow:4px 4px 4px 4px rgb(183, 188,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.9738, 0.3034, 0.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 188, 195) }
```

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

```
.background{ background-color: rgb(183,  
188, 195) }
```

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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