

# Converting Colors

Yxy(53.7906, 0.2997, 0.2932)

Have a look what the booklet for  
Yxy(53.7906, 0.2997, 0.2932)  
contains.

<b>Yxy(53.9272, 0.3001, 0.2938)</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(53.9272, 0.3001, 0.2938)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9BDDB
RGB	201, 189, 219
RGB Percent	79%, 74%, 86%
CMY	0.2116, 0.2589, 0.1411
CMYK	0.08, 0.14, 0.00, 0.14
HSL	264°, 29%, 80%
HSV	264°, 14%, 86%
XYZ	55.0836, 53.9272, 74.5399
YIQ	196.0080, -2.4780, 11.8740

# Conversions

## Conversions Part 2

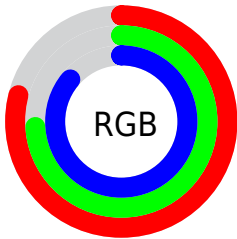
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 189, 219
Decimal	13221339
CIE <sub>Lab</sub>	78.42, 9.89, -13.48
CIE <sub>LCh</sub>	78, 16.714, 306.269
Yxy	53.9272, 0.3001, 0.2938
Android (android.graphics.Color)	4291411419 (0xFFC9BDDDB)
YUV	196.0080, 11.3351, 4.3780
Hunter-Lab	73.4351, 5.3810, -8.7774

# Details

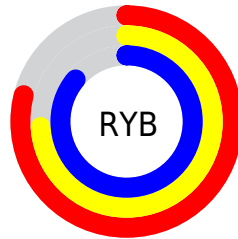
The Yxy color  $53.9272, 0.3001, 0.2938$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $67.6091, 0.3241, 0.3638$ , and the grayscale version is  $55.1442, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $93.7848, 0.3132, 0.3194$ , and  $26.4917, 0.2967, 0.2854$  is the 20% darker color. If you saturate the color by 10%, you get  $43.4683, 0.2892, 0.2655$ , and if you desaturate by 10%, it is  $65.9685, 0.3096, 0.3199$ .

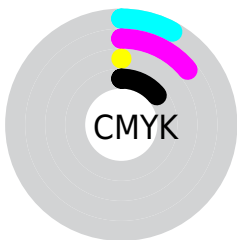
# Distribution



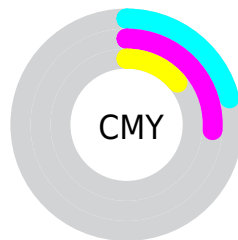
- Red (79%)
- Green (74%)
- Blue (86%)



- Red (79%)
- Yellow (74%)
- Blue (86%)



- Cyan (8%)
- Magenta (14%)
- Yellow (0%)
- Black (14%)




- Cyan (21%)
- Magenta (26%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.9272, 0.3001, 0.2938 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 53.9272, 0.3001, 0.2938 by changing the saturation by 10% instead.




 53.9272, 0.3001,  
0.2938

 53.9272, 0.3001,  
0.2938

401.8323, 0.3064,  
0.3106

 38.5435, 0.2986,  
0.2898


 95.9673, 0.3024,  
0.2997

 26.4048, 0.2966,  
0.2849


123.3925, 0.3032,  
0.3020

 17.1267, 0.2940,  
0.2785


155.6004, 0.3039,  
0.3040

 10.3249, 0.2904,  
0.2699

192.9752, 0.3046,  
0.3056

 5.6149, 0.2852,  
0.2580

235.9014, 0.3051,  
0.3071

 2.6123, 0.2769,  
0.2401

284.7634, 0.3056,

 0.9329, 0.2620,

0.3084

0.2106

339.9456, 0.3060,  
0.3096

0.0000, 0.0908,  
0.0000

0.0000, 0.0000,  
0.0000

53.9272, 0.3001,  
0.2938

53.9272, 0.3001,  
0.2938

43.4683, 0.2892,  
0.2655

65.9685, 0.3096,  
0.3199

34.5175, 0.2767,  
0.2354

79.6487, 0.3176,  
0.3436

27.0046, 0.2629,  
0.2043

95.0297, 0.3245,  
0.3648

20.8512, 0.2481,  
0.1735

97.6071, 0.3329,  
0.3642

■ 15.9709, 0.2327,  
0.1446

■ 97.8958, 0.3339,  
0.3641

■ 12.2672, 0.2175,  
0.1193

■ 9.6288, 0.2032,  
0.0990

■ 7.9218, 0.1906,  
0.0849

■ 7.1892, 0.1837,  
0.0785

# Harmonies

## Analogous

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



53.9272, 0.2816, 0.2923



53.9272, 0.3001, 0.2938



53.9272, 0.3226, 0.3038

# Triad

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



53.9272, 0.3001, 0.2938



53.9272, 0.3555, 0.3561



53.9272, 0.2829, 0.3373

# Complementary

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



53.9272, 0.3001, 0.2938



67.6091, 0.3241, 0.3638

# 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.



53.9272, 0.3019, 0.3563



53.9272, 0.3001, 0.2938



53.9272, 0.3440, 0.3668

# Square

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



53.9272, 0.3001, 0.2938



53.9272, 0.3552, 0.3390



53.9272, 0.3242, 0.3672



53.9272, 0.2720, 0.3166



# Rectangle

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



53.9272, 0.3001, 0.2938



53.9272, 0.3368, 0.3142



53.9272, 0.3242, 0.3672



53.9272, 0.2885, 0.3442

# Sweetspot

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



53.9295, 0.3001, 0.2938



92.5247, 0.3093, 0.3191



60.5629, 0.2915, 0.3147



19.5122, 0.3086, 0.3172



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.



53.9295, 0.3001, 0.2938



72.3348, 0.2976, 0.2871



56.1070, 0.3119, 0.2951



12.8711, 0.3043, 0.3053



4.3217, 0.1852, 0.0794



0.3293, 0.2037, 0.0896



# Inverse Universe

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



55.9560, 0.3235, 0.3086



75.6635, 0.3257, 0.3048



65.5546, 0.3132, 0.3649



13.1817, 0.3199, 0.3151



9.9243, 0.4540, 0.2274



0.6598, 0.4265, 0.2123



# Previews

## White Background



This preview shows how the Yxy color 53.9272, 0.3001, 0.2938 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

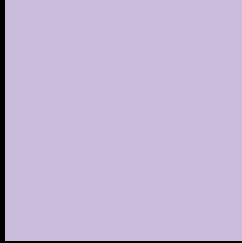
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.9272, 0.3001, 0.2938 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

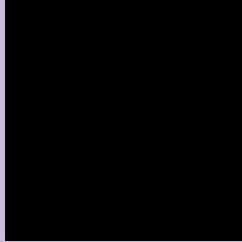
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.9272, 0.3001, 0.2938**

## Background



This preview shows how black text looks on a background with the Yxy color 53.9272, 0.3001, 0.2938.



This preview shows how white text looks on a background with the Yxy color 53.9272, 0.3001, 0.2938.

# 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

53.9272, 0.3001, 0.2938

### Protanopia

54.1792, 0.2896, 0.2955

### Deuteranopia

53.9272, 0.3001, 0.2938



## Tritanopia

53.8599, 0.3079, 0.3110

# Trichromacy



## Original Color

53.9272, 0.3001, 0.2938

## Protanomaly

54.2040, 0.2933, 0.2957

## Deuteranomaly

53.9272, 0.3001, 0.2938

## Tritanomaly

53.8094, 0.3051, 0.3041

# Monochromacy



## Original Color

53.9272, 0.3001, 0.2938

## Achromatopsia

55.2011, 0.3127, 0.3290

## Achromatomaly

54.5053, 0.3086, 0.3158

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.9272, 0.3001, 0.2938 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(201, 189, 219)` looks like.

```
.text, #text, p{  
    color:rgb(201, 189, 219)  
}
```

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(201, 189, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 189, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 53.9272, 0.3001, 0.2938 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(201, 189, 219) }
```

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

```
.border{ border-color:rgb(201, 189, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 189, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 189, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 189, 219);  
box-shadow:4px 4px 4px 4px rgb(201, 189,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.9272, 0.3001, 0.2938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 189, 219) }
```

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

```
.background{ background-color: rgb(201,  
189, 219) }
```

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