

# Converting Colors

Yxy(53.8828, 0.2954, 0.3003)

Have a look what the booklet for  
Yxy(53.8828, 0.2954, 0.3003)  
contains.

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# Color

**Yxy(53.8636, 0.2953, 0.3002)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0C0D8
RGB	192, 192, 216
RGB Percent	75%, 75%, 85%
CMY	0.2470, 0.2471, 0.1529
CMYK	0.11, 0.11, 0.00, 0.15
HSL	240°, 24%, 80%
HSV	240°, 11%, 85%
XYZ	52.9844, 53.8636, 72.5777
YIQ	194.7360, -7.7040, 7.4640

# Conversions

## Conversions Part 2

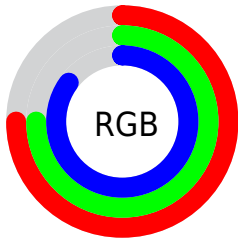
Format	Color
<a href="#">RYB</a>	<a href="#">192, 192, 216</a>
Decimal	<a href="#">12632280</a>
CIELab	<a href="#">78.38, 4.68, -11.98</a>
CIELCh	<a href="#">78, 12.863, 291.354</a>
Yxy	<a href="#">53.8636, 0.2953, 0.3002</a>
Android (android.graphics.Color)	<a href="#">4290822360</a> ( <a href="#">0xFFC0C0D8</a> )
YUV	<a href="#">194.7360, 10.4832, -2.3995</a>
Hunter-Lab	<a href="#">73.3918, 0.4304, -7.2580</a>

# Details

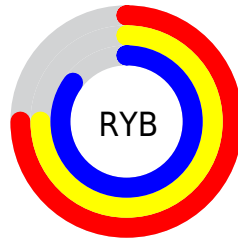
The Yxy color  $53.8636, 0.2953, 0.3002$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $67.5245, 0.3292, 0.3563$ , and the grayscale version is  $54.3498, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $94.3113, 0.3086, 0.3222$ , and  $26.4417, 0.2904, 0.2937$  is the 20% darker color. If you saturate the color by 10%, you get  $42.4500, 0.2774, 0.2707$ , and if you desaturate by 10%, it is  $67.0876, 0.3111, 0.3263$ .

# Distribution



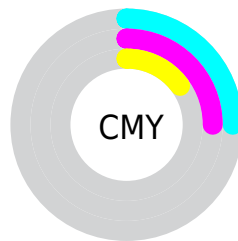
- Red (75%)
- Green (75%)
- Blue (85%)



- Red (75%)
- Yellow (75%)
- Blue (85%)



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)
- Black (15%)



- Cyan (25%)
- Magenta (25%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8636, 0.2953, 0.3002 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 53.8636, 0.2953, 0.3002 by changing the saturation by 10% instead.



■ 53.8636, 0.2953,  
0.3002

■ 53.8636, 0.2953,  
0.3002

401.5897, 0.3038,  
0.3141

■ 38.4926, 0.2932,  
0.2969

■ 95.8739, 0.2984,  
0.3051

■ 26.3652, 0.2906,  
0.2927

123.2821, 0.2995,  
0.3070

■ 17.0971, 0.2872,  
0.2873

155.4714, 0.3005,  
0.3086

■ 10.3037, 0.2825,  
0.2801

192.8263, 0.3013,  
0.3100

■ 5.6008, 0.2757,  
0.2698

235.7312, 0.3021,  
0.3112

■ 2.6039, 0.2652,  
0.2541

284.5705, 0.3027,

■ 0.9286, 0.2466,

0.3123

0.2276

339.7285, 0.3033,  
0.3132

0.0000, 0.0000,  
0.0000

53.8636, 0.2953,  
0.3002

53.8636, 0.2953,  
0.3002

42.4500, 0.2774,  
0.2707

67.0876, 0.3111,  
0.3263

32.7617, 0.2577,  
0.2380

82.1889, 0.3248,  
0.3490

24.7168, 0.2365,  
0.2030

97.7385, 0.3357,  
0.3671

18.2242, 0.2150,  
0.1674

13.1840, 0.1943,  
0.1333

■ 9.4845, 0.1764,  
0.1036

■ 6.9978, 0.1626,  
0.0807

■ 5.5715, 0.1539,  
0.0664

■ 4.9587, 0.1500,  
0.0600

# Harmonies

## Analogous

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



53.8636, 0.2838, 0.3029



53.8636, 0.2953, 0.3002



53.8636, 0.3117, 0.3048

# Triad

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



53.8636, 0.2953, 0.3002



53.8636, 0.3467, 0.3440



53.8636, 0.2965, 0.3431

# Complementary

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



53.8636, 0.2953, 0.3002



67.5245, 0.3292, 0.3563

# 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.



53.8636, 0.3130, 0.3550



53.8636, 0.2953, 0.3002



53.8636, 0.3422, 0.3550

# Square

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



53.8636, 0.2953, 0.3002



53.8636, 0.3417, 0.3296



53.8636, 0.3298, 0.3592



53.8636, 0.2845, 0.3274



# Rectangle

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



53.8636, 0.2953, 0.3002



53.8636, 0.3233, 0.3113



53.8636, 0.3298, 0.3592



53.8636, 0.3017, 0.3477

# Sweetspot

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



53.8659, 0.2953, 0.3002



93.7939, 0.3082, 0.3216



65.2835, 0.2957, 0.3290



19.7298, 0.3070, 0.3195



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.



53.8659, 0.2953, 0.3002



74.8896, 0.2919, 0.2945



55.4971, 0.3045, 0.3010



12.0088, 0.2981, 0.3049



2.9347, 0.1500, 0.0600



0.1770, 0.1500, 0.0600



# Inverse Universe

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



57.2594, 0.3140, 0.3018



80.6426, 0.3142, 0.2968



65.7626, 0.3202, 0.3570



12.6327, 0.3138, 0.3060



11.5747, 0.3210, 0.1542

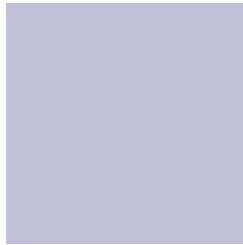


0.6981, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 53.8636, 0.2953, 0.3002 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

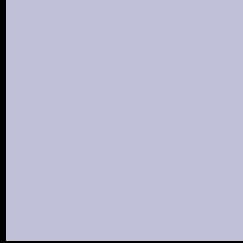
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.8636, 0.2953, 0.3002 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

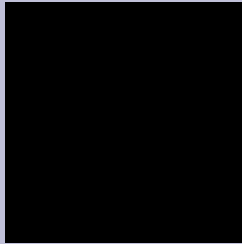
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.8636, 0.2953, 0.3002**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.8636, 0.2953, 0.3002.



This preview shows how white text looks on a background with the Yxy color 53.8636, 0.2953, 0.3002.

# 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

53.8636, 0.2953, 0.3002

### Protanopia

53.7335, 0.2945, 0.3002

### Deuteranopia

53.9615, 0.3023, 0.2962



## Tritanopia

53.8197, 0.2995, 0.3096

# Trichromacy



## Original Color

53.8636, 0.2953, 0.3002

## Protanomaly

53.7335, 0.2945, 0.3002

## Deuteranomaly

53.8424, 0.2992, 0.2971

## Tritanomaly

53.9698, 0.2974, 0.3060

# Monochromacy



## Original Color

53.8636, 0.2953, 0.3002

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

54.3647, 0.3061, 0.3181

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.8636, 0.2953, 0.3002 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(192, 192, 216)` looks like.

```
.text, #text, p{  
    color:rgb(192, 192, 216)  
}
```

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(192, 192, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 192, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8636, 0.2953, 0.3002 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(192, 192, 216) }
```

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

```
.border{ border-color:rgb(192, 192, 216) }
```

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

Here you see how a box with a 4 pixel rgb(192, 192, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 192, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 192, 216);  
box-shadow:4px 4px 4px 4px rgb(192, 192,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8636, 0.2953, 0.3002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 192, 216) }
```

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

```
.background{ background-color: rgb(192,  
192, 216) }
```

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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