

# Converting Colors

$Yxy(40.4166, 0.3029, 0.2945)$

Have a look what the booklet for  
Yxy(40.4166, 0.3029, 0.2945)  
contains.

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# Color

**Yxy(40.2997, 0.3027, 0.2935)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3A5C0
RGB	179, 165, 192
RGB Percent	70%, 65%, 75%
CMY	0.2979, 0.3530, 0.2471
CMYK	0.07, 0.14, 0.00, 0.25
HSL	271°, 18%, 70%
HSV	271°, 14%, 75%
XYZ	41.5629, 40.2997, 55.4447
YIQ	172.2640, -0.3230, 11.3650

# Conversions

## Conversions Part 2

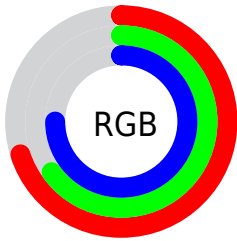
Format	Color
<a href="#">RYB</a>	<a href="#">179, 165, 192</a>
Decimal	<a href="#">11773376</a>
CIELab	<a href="#">69.68, 10.19, -11.98</a>
CIELCh	<a href="#">70, 15.729, 310.386</a>
Yxy	<a href="#">40.2997, 0.3027, 0.2935</a>
Android (android.graphics.Color)	<a href="#">4289963456</a> ( <a href="#">0xFFB3A5C0</a> )
YUV	<a href="#">172.2640, 9.7298, 5.9075</a>
Hunter-Lab	<a href="#">63.4820, 5.7738, -7.3460</a>

# Details

The Yxy color  $40.2997, 0.3027, 0.2935$  is a light color, and the websafe version is hex `9999CC`. A complement of this color would be  $49.8655, 0.3216, 0.3646$ , and the grayscale version is  $41.3475, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $75.6259, 0.3050, 0.3004$ , and  $18.1100, 0.2986, 0.2821$  is the 20% darker color. If you saturate the color by 10%, you get  $32.8264, 0.2941, 0.2660$ , and if you desaturate by 10%, it is  $48.8893, 0.3101, 0.3192$ .

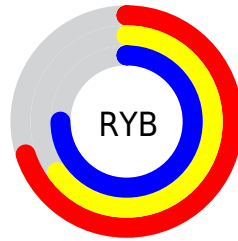
# Distribution



Red (70%)

Green (65%)

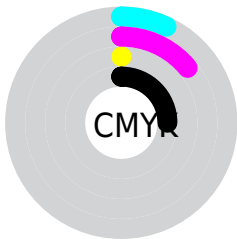
Blue (75%)



Red (70%)

Yellow (65%)

Blue (75%)

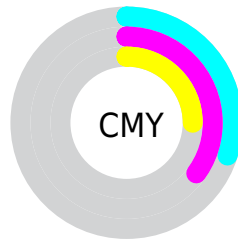


Cyan (7%)

Magenta (14%)

Yellow (0%)

Black (25%)



Cyan (30%)

Magenta (35%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2997, 0.3027, 0.2935 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 40.2997, 0.3027, 0.2935 by changing the saturation by 10% instead.





 40.2997, 0.3027,  
0.2935


 40.2997, 0.3027,  
0.2935


347.3851, 0.3080,  
0.3113

 27.7723, 0.3013,  
0.2891


 75.6197, 0.3047,  
0.3000

 18.1541, 0.2995,  
0.2834


 99.1810, 0.3054,  
0.3024

 11.0607, 0.2969,  
0.2758


127.1891, 0.3060,  
0.3044

 6.1077, 0.2932,  
0.2652

160.0284, 0.3065,  
0.3062

 2.9107, 0.2874,  
0.2494

198.0833, 0.3070,  
0.3077

 1.0853, 0.2769,  
0.2237

241.7381, 0.3073,

 0.0000, 0.2123,

0.3091

0.0000

291.3772, 0.3077,  
0.3102

0.0000, 0.0000,  
0.0000

40.2997, 0.3027,  
0.2935

40.2997, 0.3027,  
0.2935

32.8264, 0.2941,  
0.2660

48.8893, 0.3101,  
0.3192

26.4167, 0.2843,  
0.2372

58.6348, 0.3163,  
0.3428

21.0212, 0.2734,  
0.2079

69.5800, 0.3215,  
0.3642

16.5844, 0.2615,  
0.1792

81.7650, 0.3259,  
0.3835

13.0455, 0.2489,  
0.1524

91.3482, 0.3303,  
0.3952

10.3362, 0.2362,  
0.1290

92.8701, 0.3364,  
0.3939

8.3780, 0.2238,  
0.1103

94.4732, 0.3425,  
0.3926

7.0765, 0.2124,  
0.0970

96.1586, 0.3487,  
0.3913

6.5053, 0.2060,  
0.0909

96.5849, 0.3502,  
0.3910

# Harmonies

## Analogous

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



40.2997, 0.2827, 0.2907



40.2997, 0.3027, 0.2935



40.2997, 0.3261, 0.3049

# Triad

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



40.2997, 0.3027, 0.2935



40.2997, 0.3562, 0.3591



40.2997, 0.2797, 0.3346

# Complementary

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



40.2997, 0.3027, 0.2935



49.8655, 0.3216, 0.3646

# 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.



40.2997, 0.2984, 0.3550



40.2997, 0.3027, 0.2935



40.2997, 0.3427, 0.3690

# Square

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



40.2997, 0.3027, 0.2935



40.2997, 0.3576, 0.3419



40.2997, 0.3214, 0.3678



40.2997, 0.2698, 0.3134



# Rectangle

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



40.2997, 0.3027, 0.2935



40.2997, 0.3405, 0.3161



40.2997, 0.3214, 0.3678



40.2997, 0.2851, 0.3418

# Sweetspot

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



40.3014, 0.3027, 0.2935



88.5905, 0.3101, 0.3192



43.6601, 0.2910, 0.3102



18.7364, 0.3095, 0.3173



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.



40.3014, 0.3027, 0.2935



68.4661, 0.3001, 0.2848



41.8980, 0.3147, 0.2953



9.9998, 0.3063, 0.3058



4.4250, 0.2073, 0.0916



0.2320, 0.2315, 0.1049



# Inverse Universe

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



41.3253, 0.3266, 0.3123



70.7242, 0.3303, 0.3083



48.4223, 0.3107, 0.3652



10.1566, 0.3216, 0.3180



8.0780, 0.5021, 0.2540

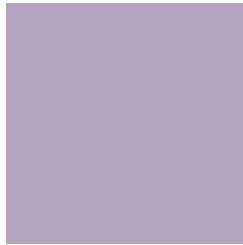


0.3630, 0.4512, 0.2260



# Previews

## White Background



This preview shows how the Yxy color 40.2997, 0.3027, 0.2935 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

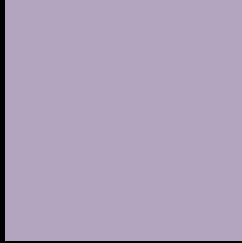
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.2997, 0.3027, 0.2935 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

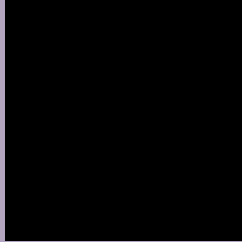
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 40.2997, 0.3027, 0.2935**

## **Background**



This preview shows how black text looks on a background with the Yxy color 40.2997, 0.3027, 0.2935.



This preview shows how white text looks on a background with the Yxy color 40.2997, 0.3027, 0.2935.

# 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

40.2997, 0.3027, 0.2935

### Protanopia

40.4231, 0.2891, 0.2939

### Deuteranopia

40.4253, 0.3009, 0.2946



## Tritanopia

40.2798, 0.3108, 0.3115

# Trichromacy



## Original Color

40.2997, 0.3027, 0.2935

## Protanomaly

40.5582, 0.2941, 0.2943

## Deuteranomaly

40.5432, 0.3018, 0.2947

## Tritanomaly

40.1981, 0.3084, 0.3050

# Monochromacy



## Original Color

40.2997, 0.3027, 0.2935

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

40.7446, 0.3097, 0.3155

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.2997, 0.3027, 0.2935 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(179, 165, 192)` looks like.

```
.text, #text, p{  
    color:rgb(179, 165, 192)  
}
```

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(179, 165, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 165, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 40.2997, 0.3027, 0.2935 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(179, 165, 192) }
```

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

```
.border{ border-color:rgb(179, 165, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 165, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 165, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 165, 192);  
box-shadow:4px 4px 4px 4px rgb(179, 165,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.2997, 0.3027, 0.2935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 165, 192) }
```

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

```
.background{ background-color: rgb(179,  
165, 192) }
```

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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