

# Converting Colors

$Y_{xy}(38.0220, 0.2972, 0.2886)$

Have a look what the booklet for  
Yxy(38.0220, 0.2972, 0.2886)  
contains.

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# Color

**Yxy(38.0220, 0.2972, 0.2886)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACA1BF
RGB	172, 161, 191
RGB Percent	67%, 63%, 75%
CMY	0.3257, 0.3686, 0.2510
CMYK	0.10, 0.16, 0.00, 0.25
HSL	262°, 19%, 69%
HSV	262°, 16%, 75%
XYZ	39.1550, 38.0220, 54.5693
YIQ	167.7090, -3.0740, 11.6620

# Conversions

## Conversions Part 2

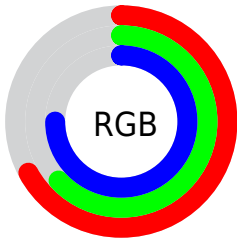
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">172, 161, 191</a>
Decimal	<a href="#">11313599</a>
CIELab	<a href="#">68.04, 9.81, -13.97</a>
CIElCh	<a href="#">68, 17.073, 305.070</a>
Yxy	<a href="#">38.0220, 0.2972, 0.2886</a>
Android (android.graphics.Color)	<a href="#">4289503679</a> ( <a href="#">0xFFACA1BF</a> )
YUV	<a href="#">167.7090, 11.4825, 3.7632</a>
Hunter-Lab	<a href="#">61.6620, 5.4380, -9.3068</a>

# Details

The Yxy color **38.0220, 0.2972, 0.2886** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.5507, 0.3266, 0.3686**, and the grayscale version is **38.9500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3211, 0.3009, 0.2967**, and **16.7653, 0.2923, 0.2752** is the 20% darker color. If you saturate the color by 10%, you get **30.5384, 0.2854, 0.2599**, and if you desaturate by 10%, it is **46.6540, 0.3075, 0.3150**.

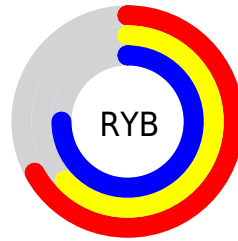
# Distribution



Red (67%)

Green (63%)

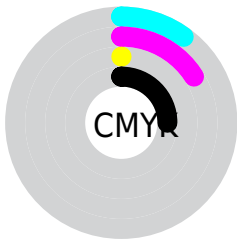
Blue (75%)



Red (67%)

Yellow (63%)

Blue (75%)

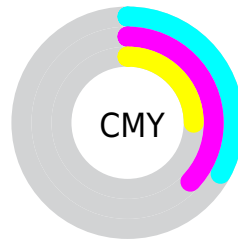


Cyan (10%)

Magenta (16%)

Yellow (0%)

Black (25%)



Cyan (33%)

Magenta (37%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0220, 0.2972, 0.2886 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 38.0220, 0.2972, 0.2886 by changing the saturation by 10% instead.



■ 38.0220, 0.2972,  
0.2886

■ 38.0220, 0.2972,  
0.2886

■ 337.7143, 0.3054,  
0.3090

■ 25.9998, 0.2950,  
0.2835

■ 72.1419, 0.3003,  
0.2960

■ 16.8235, 0.2922,  
0.2768

■ 95.0083, 0.3014,  
0.2988

■ 10.1087, 0.2883,  
0.2680

■ 122.2582, 0.3023,  
0.3012

■ 5.4711, 0.2825,  
0.2556

■ 154.2760, 0.3031,  
0.3032

■ 2.5262, 0.2735,  
0.2369

■ 191.4462, 0.3038,  
0.3049

■ 0.8897, 0.2571,  
0.2062

■ 234.1530, 0.3044,

■ 0.0000, 0.0425,

0.3065

0.0000

282.7809, 0.3049,  
0.3078

0.0000, 0.0000,  
0.0000

38.0220, 0.2972,  
0.2886

38.0220, 0.2972,  
0.2886

30.5384, 0.2854,  
0.2599

46.6540, 0.3075,  
0.3150

24.1489, 0.2720,  
0.2295

56.4760, 0.3163,  
0.3390

18.8020, 0.2573,  
0.1982

67.5334, 0.3239,  
0.3605

14.4400, 0.2417,  
0.1674

79.8678, 0.3302,  
0.3796

10.9994, 0.2257,  
0.1386

92.5435, 0.3358,  
0.3951

■ 8.4091, 0.2101,  
0.1135

■ 94.6524, 0.3439,  
0.3934

■ 6.5868, 0.1958,  
0.0939

■ 96.5419, 0.3508,  
0.3919

■ 5.4309, 0.1835,  
0.0804

■ 5.0512, 0.1788,  
0.0758

# Harmonies

## Analogous

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



38.0220, 0.2764, 0.2872



38.0220, 0.2972, 0.2886



38.0220, 0.3229, 0.2997

# Triad

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



38.0220, 0.2972, 0.2886



38.0220, 0.3622, 0.3592



38.0220, 0.2793, 0.3394

# Complementary

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



38.0220, 0.2972, 0.2886



49.5507, 0.3266, 0.3686

# 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.



38.0220, 0.3012, 0.3612



38.0220, 0.2972, 0.2886



38.0220, 0.3493, 0.3721

# Square

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



38.0220, 0.2972, 0.2886



38.0220, 0.3613, 0.3393



38.0220, 0.3268, 0.3733



38.0220, 0.2665, 0.3155



# Rectangle

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



38.0220, 0.2972, 0.2886



38.0220, 0.3395, 0.3112



38.0220, 0.3268, 0.3733



38.0220, 0.2858, 0.3474

# Sweetspot

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



38.0236, 0.2972, 0.2886



84.5802, 0.3081, 0.3166



44.1903, 0.2887, 0.3147



18.3142, 0.3074, 0.3148



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.



38.0236, 0.2972, 0.2886



63.0367, 0.2931, 0.2785



39.7611, 0.3104, 0.2902



9.3902, 0.3039, 0.3057



3.3613, 0.1801, 0.0766



0.1691, 0.2086, 0.0923



# Inverse Universe

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



39.8717, 0.3242, 0.3043



67.0354, 0.3273, 0.2984



47.8937, 0.3144, 0.3701



9.6356, 0.3192, 0.3145



8.2080, 0.4380, 0.2187

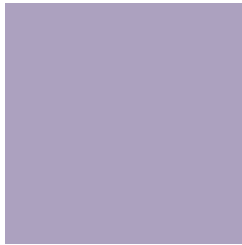


0.3337, 0.4031, 0.1994



# Previews

## White Background



This preview shows how the Yxy color 38.0220, 0.2972, 0.2886 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

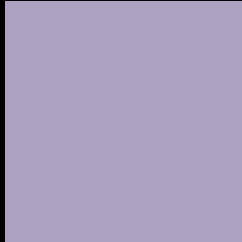
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.0220, 0.2972, 0.2886 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

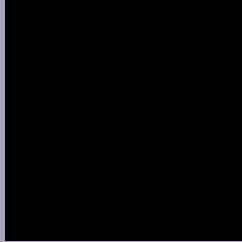
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.0220, 0.2972, 0.2886**

## Background



This preview shows how black text looks on a background with the Yxy color 38.0220, 0.2972, 0.2886.



This preview shows how white text looks on a background with the Yxy color 38.0220, 0.2972, 0.2886.

# 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

38.0220, 0.2972, 0.2886

### Protanopia

37.8748, 0.2853, 0.2890

### Deuteranopia

38.1483, 0.2955, 0.2898



## Tritanopia

38.2316, 0.3080, 0.3124

# Trichromacy



## Original Color

38.0220, 0.2972, 0.2886

## Protanomaly

37.8927, 0.2895, 0.2893

## Deuteranomaly

38.2602, 0.2964, 0.2899

## Tritanomaly

38.1885, 0.3047, 0.3043

# Monochromacy



## Original Color

38.0220, 0.2972, 0.2886

## Achromatopsia

39.1572, 0.3127, 0.3290

## Achromatomaly

38.4799, 0.3070, 0.3137

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.0220, 0.2972, 0.2886 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(172, 161, 191)` looks like.

```
.text, #text, p{  
    color:rgb(172, 161, 191)  
}
```

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(172, 161, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 161, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 38.0220, 0.2972, 0.2886 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(172, 161, 191) }
```

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

```
.border{ border-color:rgb(172, 161, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 161, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 161, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 161, 191);  
box-shadow:4px 4px 4px 4px rgb(172, 161,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.0220, 0.2972, 0.2886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 161, 191) }
```

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

```
.background{ background-color: rgb(172,  
161, 191) }
```

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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