

# Converting Colors

$Yxy(48.2971, 0.2842, 0.3248)$

Have a look what the booklet for  
Yxy(48.2971, 0.2842, 0.3248)  
contains.

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# Color

**Yxy(48.3247, 0.2842, 0.3249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DBFC2
RGB	157, 191, 194
RGB Percent	62%, 75%, 76%
CMY	0.3844, 0.2510, 0.2392
CMYK	0.19, 0.02, 0.00, 0.24
HSL	185°, 23%, 69%
HSV	185°, 19%, 76%
XYZ	42.2711, 48.3247, 58.1414
YIQ	181.1760, -21.2270, -6.2750

# Conversions

## Conversions Part 2

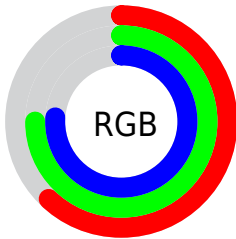
Format	Color
<a href="#">RYB</a>	<a href="#">157, 175, 194</a>
Decimal	<a href="#">10338242</a>
CIELab	<a href="#">75.03, -10.71, -5.31</a>
CIElCh	<a href="#">75, 11.956, 206.371</a>
Yxy	<a href="#">48.3247, 0.2842, 0.3249</a>
Android (android.graphics.Color)	<a href="#">4288528322</a> ( <a href="#">0xFF9DBFC2</a> )
YUV	<a href="#">181.1760, 6.3222, -21.2024</a>
Hunter-Lab	<a href="#">69.5160, -13.1111, -0.9274</a>

# Details

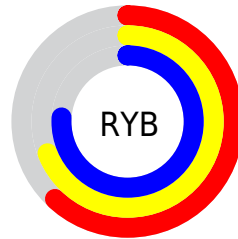
The Yxy color **48.3247, 0.2842, 0.3249** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.0403, 0.3490, 0.3331**, and the grayscale version is **46.2820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4207, 0.2895, 0.3258**, and **23.0737, 0.2769, 0.3252** is the 20% darker color. If you saturate the color by 10%, you get **45.8461, 0.2704, 0.3225**, and if you desaturate by 10%, it is **51.1244, 0.2989, 0.3271**.

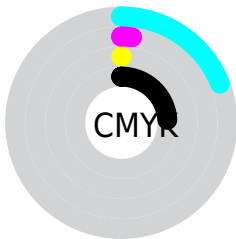
# Distribution



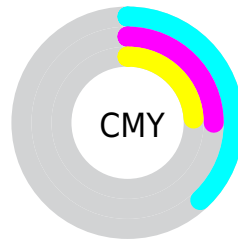
- Red (62%)
- Green (75%)
- Blue (76%)



- Red (62%)
- Yellow (69%)
- Blue (76%)



- Cyan (19%)
- Magenta (2%)
- Yellow (0%)
- Black (24%)




- Cyan (38%)
- Magenta (25%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3247, 0.2842, 0.3249 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 48.3247, 0.2842, 0.3249 by changing the saturation by 10% instead.




 48.3247, 0.2842,  
0.3249

 48.3247, 0.2842,  
0.3249

380.0777, 0.2983,  
0.3271

 34.0841, 0.2807,  
0.3243


 87.6877, 0.2893,  
0.3257

 22.9582, 0.2763,  
0.3235


 113.5788, 0.2912,  
0.3260

 14.5627, 0.2706,  
0.3225


144.1222, 0.2928,  
0.3263

 8.5130, 0.2626,  
0.3209

179.7024, 0.2942,  
0.3265

 4.4249, 0.2509,  
0.3184

220.7036, 0.2954,  
0.3267

 1.9140, 0.2322,  
0.3139

267.5103, 0.2965,

 0.5568, 0.1486,

0.3268

0.3090

320.5069, 0.2974,  
0.3270

0.0000, 0.0000,  
0.0000

48.3247, 0.2842,  
0.3249

48.3247, 0.2842,  
0.3249

45.8461, 0.2704,  
0.3225

51.1244, 0.2989,  
0.3271

43.6681, 0.2578,  
0.3200

54.2530, 0.3141,  
0.3292

41.7769, 0.2467,  
0.3173

57.7253, 0.3297,  
0.3310

40.1552, 0.2373,  
0.3146

61.5534, 0.3454,  
0.3327

38.7839, 0.2297,  
0.3118

65.7488, 0.3609,  
0.3342

■ 37.6413, 0.2240,  
0.3091

■ 66.6664, 0.3613,  
0.3358

■ 36.7016, 0.2201,  
0.3063

■ 67.4002, 0.3609,  
0.3374

■ 35.9207, 0.2178,  
0.3036

■ 68.1416, 0.3606,  
0.3390

■ 35.8516, 0.2176,  
0.3034

■ 68.8904, 0.3602,  
0.3406

# Harmonies

## Analogous

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



48.3247, 0.2947, 0.3402



48.3247, 0.2842, 0.3249



48.3247, 0.2811, 0.3113

# Triad

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



48.3247, 0.2842, 0.3249



48.3247, 0.3146, 0.3070



48.3247, 0.3396, 0.3553

# Complementary

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



48.3247, 0.2842, 0.3249



39.0403, 0.3490, 0.3331

# 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.



48.3247, 0.3453, 0.3456



48.3247, 0.2842, 0.3249



48.3247, 0.3307, 0.3180

# Square

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



48.3247, 0.2842, 0.3249



48.3247, 0.2983, 0.3015



48.3247, 0.3421, 0.3320



48.3247, 0.3267, 0.3580



# Rectangle

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



48.3247, 0.2842, 0.3249



48.3247, 0.2837, 0.3050



48.3247, 0.3421, 0.3320



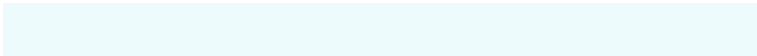
48.3247, 0.3425, 0.3527

# Sweetspot

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



48.3267, 0.2842, 0.3249



94.2473, 0.3034, 0.3278



48.2719, 0.3085, 0.3771



20.5585, 0.3024, 0.3276



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.



48.3267, 0.2842, 0.3249



85.5564, 0.2782, 0.3239



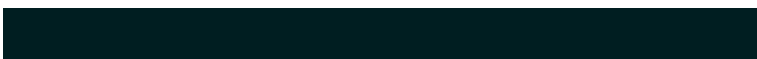
40.9599, 0.2828, 0.3002



11.2843, 0.2984, 0.3271



23.6267, 0.2177, 0.3037



1.0629, 0.2194, 0.3098



# Inverse Universe

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



39.3412, 0.3176, 0.2858



66.2970, 0.3188, 0.2760



45.7304, 0.3447, 0.3563



10.2330, 0.3150, 0.3081



9.6674, 0.3421, 0.1658



0.4219, 0.3369, 0.1630



# Previews

## White Background



This preview shows how the Yxy color 48.3247, 0.2842, 0.3249 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

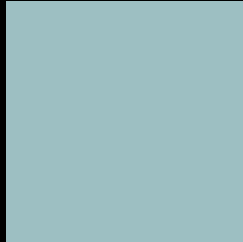
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.3247, 0.2842, 0.3249 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

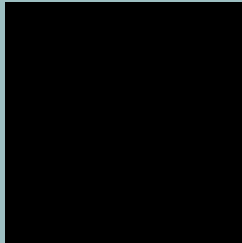
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

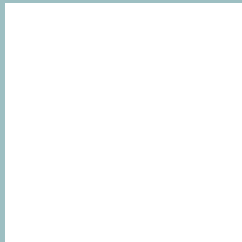
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.3247, 0.2842, 0.3249**

## Background



This preview shows how black text looks on a background with the Yxy color 48.3247, 0.2842, 0.3249.



This preview shows how white text looks on a background with the Yxy color 48.3247, 0.2842, 0.3249.

# 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

48.3247, 0.2842, 0.3249

### Protanopia

47.9802, 0.3106, 0.3213

### Deuteranopia

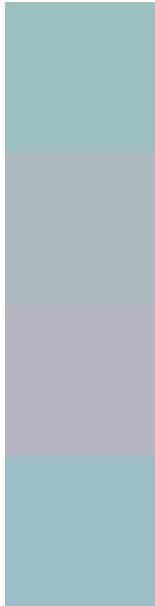
48.0960, 0.3146, 0.3081



## Tritanopia

48.1258, 0.2788, 0.3092

# Trichromacy



## Original Color

48.3247, 0.2842, 0.3249

## Protanomaly

47.9934, 0.2999, 0.3225

## Deuteranomaly

47.7522, 0.3026, 0.3137

## Tritanomaly

48.2661, 0.2808, 0.3157

# Monochromacy



## Original Color

48.3247, 0.2842, 0.3249

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

47.0138, 0.3012, 0.3276

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.3247, 0.2842, 0.3249 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(157, 191, 194)` looks like.

```
.text, #text, p{  
    color:rgb(157, 191, 194)  
}
```

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(157, 191, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 191, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 48.3247, 0.2842, 0.3249 is called "border". The border property can be set on classes, ids or directly on the HTML element.

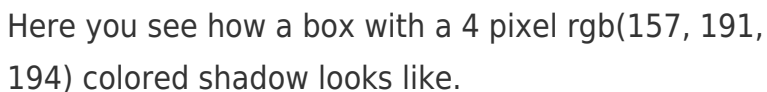
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 191, 194) }
```

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

```
.border{ border-color:rgb(157, 191, 194) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 191, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 191, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 191, 194); box-shadow:4px 4px 4px 4px rgb(157, 191, 194) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.3247, 0.2842, 0.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 191, 194) }
```

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

```
.background{ background-color: rgb(157,  
191, 194) }
```

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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