

# Converting Colors

$Yxy(49.5475, 0.2969, 0.3268)$

Have a look what the booklet for  
Yxy(49.5475, 0.2969, 0.3268)  
contains.

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# Color

**Yxy(49.4033, 0.2969, 0.3264)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACBEC0
RGB	172, 190, 192
RGB Percent	67%, 75%, 75%
CMY	0.3255, 0.2549, 0.2472
CMYK	0.10, 0.01, 0.00, 0.25
HSL	186°, 14%, 71%
HSV	186°, 10%, 75%
XYZ	44.9382, 49.4033, 57.0166
YIQ	184.8460, -11.3700, -3.1940

# Conversions

## Conversions Part 2

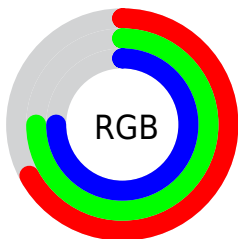
Format	Color
<a href="#">RYB</a>	<a href="#">172, 181, 192</a>
Decimal	<a href="#">11321024</a>
CIELab	<a href="#">75.70, -5.75, -3.10</a>
CIELCh	<a href="#">76, 6.528, 208.336</a>
Yxy	<a href="#">49.4033, 0.2969, 0.3264</a>
Android (android.graphics.Color)	<a href="#">4289511104 (0xFFACBEC0)</a>
YUV	<a href="#">184.8460, 3.5269, -11.2659</a>
Hunter-Lab	<a href="#">70.2875, -8.8793, 1.1057</a>

# Details

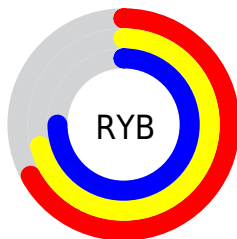
The Yxy color **49.4033, 0.2969, 0.3264** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.4384, 0.3306, 0.3316**, and the grayscale version is **48.4106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0197, 0.2996, 0.3269**, and **23.7485, 0.2925, 0.3254** is the 20% darker color. If you saturate the color by 10%, you get **46.5768, 0.2823, 0.3237**, and if you desaturate by 10%, it is **52.5583, 0.3121, 0.3289**.

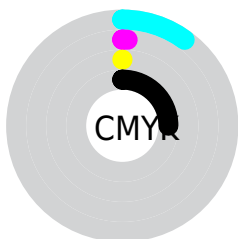
# Distribution



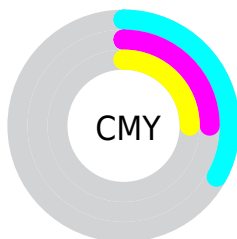
- Red (67%)
- Green (75%)
- Blue (75%)



- Red (67%)
- Yellow (71%)
- Blue (75%)



- Cyan (10%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)



- Cyan (33%)
- Magenta (25%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4033, 0.2969, 0.3264 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 49.4033, 0.2969, 0.3264 by changing the saturation by 10% instead.



■ 49.4033, 0.2969,  
0.3264

■ 49.4033, 0.2969,  
0.3264

384.3279, 0.3047,  
0.3277

■ 34.9395, 0.2950,  
0.3261

■ 89.2901, 0.2997,  
0.3269

■ 23.6163, 0.2925,  
0.3256

115.4820, 0.3008,  
0.3271

■ 15.0492, 0.2893,  
0.3250

146.3520, 0.3017,  
0.3272

■ 8.8539, 0.2849,  
0.3241

182.2845, 0.3025,  
0.3274

■ 4.6460, 0.2783,  
0.3228

223.6640, 0.3031,  
0.3275

■ 2.0411, 0.2678,  
0.3205

270.8747, 0.3037,

■ 0.6312, 0.2304,

0.3276

0.3164

324.3013, 0.3042,  
0.3277

0.0000, 0.0000,  
0.0000

49.4033, 0.2969,  
0.3264

49.4033, 0.2969,  
0.3264

46.5768, 0.2823,  
0.3237

52.5583, 0.3121,  
0.3289

44.0590, 0.2686,  
0.3208

56.0482, 0.3276,  
0.3312

41.8378, 0.2560,  
0.3177

59.8869, 0.3432,  
0.3332

39.8975, 0.2449,  
0.3144

64.0858, 0.3586,  
0.3350

38.2210, 0.2355,  
0.3111

66.1090, 0.3632,  
0.3369

■ 36.7895, 0.2279,  
0.3077

■ 66.9840, 0.3627,  
0.3388

■ 35.5812, 0.2222,  
0.3043

■ 67.8698, 0.3623,  
0.3408

■ 34.5707, 0.2184,  
0.3010

■ 68.7664, 0.3618,  
0.3427

■ 33.7388, 0.2161,  
0.2978

■ 69.6739, 0.3613,  
0.3446

# Harmonies

## Analogous

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



49.4033, 0.3025, 0.3346



49.4033, 0.2969, 0.3264



49.4033, 0.2955, 0.3191

# Triad

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



49.4033, 0.2969, 0.3264



49.4033, 0.3144, 0.3172



49.4033, 0.3269, 0.3435

# Complementary

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



49.4033, 0.2969, 0.3264



44.4384, 0.3306, 0.3316

# 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.



49.4033, 0.3303, 0.3386



49.4033, 0.2969, 0.3264



49.4033, 0.3230, 0.3235

# Square

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



49.4033, 0.2969, 0.3264



49.4033, 0.3055, 0.3140



49.4033, 0.3288, 0.3313



49.4033, 0.3198, 0.3445



# Rectangle

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



49.4033, 0.2969, 0.3264



49.4033, 0.2971, 0.3157



49.4033, 0.3288, 0.3313



49.4033, 0.3285, 0.3422

# Sweetspot

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



49.4054, 0.2969, 0.3264



93.6973, 0.3080, 0.3283



49.4988, 0.3102, 0.3533



19.9997, 0.3068, 0.3281



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

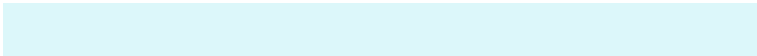


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.4054, 0.2969, 0.3264



88.5926, 0.2942, 0.3259



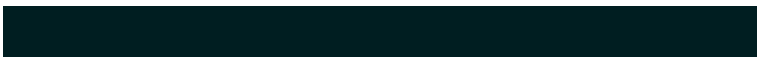
45.3476, 0.2968, 0.3136



11.2540, 0.2984, 0.3267



22.7751, 0.2162, 0.2982



1.0339, 0.2182, 0.3057



# Inverse Universe

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



44.4262, 0.3155, 0.3062



78.1584, 0.3160, 0.3022



48.3160, 0.3292, 0.3439



10.2299, 0.3152, 0.3085



9.5814, 0.3470, 0.1685



0.4190, 0.3405, 0.1649



# Previews

## White Background



This preview shows how the Yxy color 49.4033, 0.2969, 0.3264 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

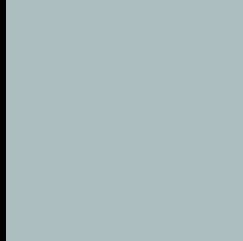
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.4033, 0.2969, 0.3264 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

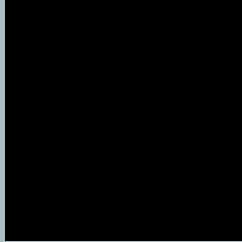
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

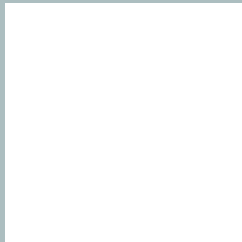
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.4033, 0.2969, 0.3264**

## Background



This preview shows how black text looks on a background with the Yxy color 49.4033, 0.2969, 0.3264.



This preview shows how white text looks on a background with the Yxy color 49.4033, 0.2969, 0.3264.

# 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

49.4033, 0.2969, 0.3264

### Protanopia

49.1909, 0.3130, 0.3240

### Deuteranopia

49.3603, 0.3194, 0.3132



## Tritanopia

49.2769, 0.2906, 0.3098

# Trichromacy



## Original Color

49.4033, 0.2969, 0.3264

## Protanomaly

49.3256, 0.3071, 0.3252

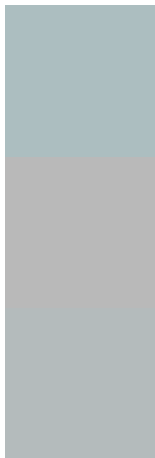
## Deuteranomaly

49.0784, 0.3107, 0.3177

## Tritanomaly

49.4029, 0.2926, 0.3161

# Monochromacy



## Original Color

49.4033, 0.2969, 0.3264

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.8748, 0.3062, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.4033, 0.2969, 0.3264 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, 190, 192)` looks like.

```
.text, #text, p{  
    color:rgb(172, 190, 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(172, 190, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 190, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 49.4033, 0.2969, 0.3264 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, 190, 192) }
```

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

```
.border{ border-color:rgb(172, 190, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 190, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 190, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 190, 192);  
box-shadow:4px 4px 4px 4px rgb(172, 190,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.4033, 0.2969, 0.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 190, 192) }
```

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

```
.background{ background-color: rgb(172,  
190, 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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