

# Converting Colors

$Yxy(49.4958, 0.3111, 0.3464)$

Have a look what the booklet for  
Yxy(49.4958, 0.3111, 0.3464)  
contains.

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# Color

**Yxy(49.6660, 0.3110, 0.3474)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0BFB1
RGB	176, 191, 177
RGB Percent	69%, 75%, 69%
CMY	0.3100, 0.2509, 0.3059
CMYK	0.08, 0.00, 0.07, 0.25
HSL	124°, 11%, 72%
HSV	124°, 8%, 75%
XYZ	44.4621, 49.6660, 48.8368
YIQ	184.9190, -4.4460, -7.5340

# Conversions

## Conversions Part 2

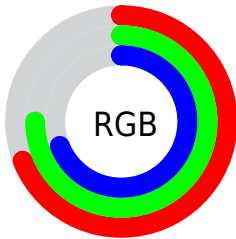
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 190, 191
Decimal	11583409
CIELab	75.86, -7.83, 5.29
CIELCh	76, 9.447, 145.935
Yxy	49.6660, 0.3110, 0.3474
Android (android.graphics.Color)	4289773489 (0xFFB0BFB1)
YUV	184.9190, -3.9041, -7.8220
Hunter-Lab	70.4741, -10.7141, 8.2454

# Details

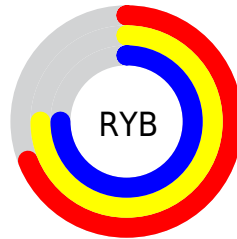
The Yxy color **49.6660, 0.3110, 0.3474** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.8256, 0.3145, 0.3113**, and the grayscale version is **48.4889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5605, 0.3114, 0.3433**, and **23.8431, 0.3104, 0.3542** is the 20% darker color. If you saturate the color by 10%, you get **46.9336, 0.3087, 0.3736**, and if you desaturate by 10%, it is **52.8083, 0.3132, 0.3244**.

# Distribution



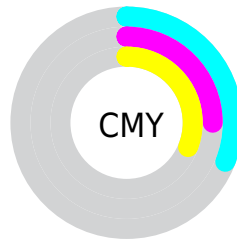
- Red (69%)
- Green (75%)
- Blue (69%)



- Red (69%)
- Yellow (75%)
- Blue (75%)



- Cyan (8%)
- Magenta (0%)
- Yellow (7%)
- Black (25%)




- Cyan (31%)
- Magenta (25%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6660, 0.3110, 0.3474 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 49.6660, 0.3110, 0.3474 by changing the saturation by 10% instead.




 49.6660, 0.3110,  
0.3474

 49.6660, 0.3110,  
0.3474


385.3584, 0.3119,  
0.3382

 35.1481, 0.3108,  
0.3497


 89.6798, 0.3113,  
0.3440

 23.7770, 0.3104,  
0.3527

115.9445, 0.3115,  
0.3428

 15.1683, 0.3100,  
0.3566


146.8936, 0.3116,  
0.3417

 8.9376, 0.3094,  
0.3622

182.9114, 0.3117,  
0.3408

 4.7005, 0.3083,  
0.3706

224.3824, 0.3117,  
0.3400

 2.0726, 0.3065,  
0.3845

271.6910, 0.3118,

 0.6492, 0.3017,

0.3393

0.4597

325.2215, 0.3119,  
0.3387

0.0000, 0.0000,  
0.0000

49.6660, 0.3110,  
0.3474

49.6660, 0.3110,  
0.3474

46.9336, 0.3087,  
0.3736

52.8083, 0.3132,  
0.3244

44.5880, 0.3064,  
0.4028

56.3696, 0.3152,  
0.3044

42.6138, 0.3041,  
0.4346

60.3668, 0.3170,  
0.2871

40.9918, 0.3019,  
0.4682

64.8140, 0.3187,  
0.2723

39.7014, 0.3001,  
0.5018

65.7497, 0.3157,  
0.2663

■ 38.7195, 0.2988,  
0.5333

■ 38.0204, 0.2982,  
0.5604

■ 37.5738, 0.2983,  
0.5809

■ 37.3364, 0.2988,  
0.5938

# Harmonies

## Analogous

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



49.6660, 0.3239, 0.3516



49.6660, 0.3110, 0.3474



49.6660, 0.2988, 0.3379

# Triad

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



49.6660, 0.3110, 0.3474



49.6660, 0.2918, 0.3086



49.6660, 0.3356, 0.3313

# Complementary

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



49.6660, 0.3110, 0.3474



45.8256, 0.3145, 0.3113

# 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.



49.6660, 0.3266, 0.3202



49.6660, 0.3110, 0.3474



49.6660, 0.3013, 0.3073

# Square

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



49.6660, 0.3110, 0.3474



49.6660, 0.2879, 0.3153



49.6660, 0.3140, 0.3116



49.6660, 0.3382, 0.3420



# Rectangle

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



49.6660, 0.3110, 0.3474



49.6660, 0.2926, 0.3301



49.6660, 0.3140, 0.3116



49.6660, 0.3332, 0.3275

# Sweetspot

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



49.6681, 0.3110, 0.3474



92.1403, 0.3123, 0.3336



51.3512, 0.3234, 0.3481



20.2458, 0.3123, 0.3333



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

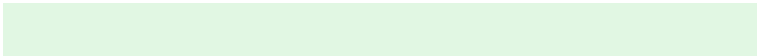


# Same Dimension

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



49.6681, 0.3110, 0.3474



88.2838, 0.3107, 0.3505



49.9750, 0.3054, 0.3375



10.6601, 0.3107, 0.3510



24.5121, 0.2985, 0.5947



0.9639, 0.2930, 0.5749



# Inverse Universe

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



45.8256, 0.3145, 0.3113



80.3776, 0.3148, 0.3084



45.5065, 0.3206, 0.3207



9.6845, 0.3148, 0.3079



9.3884, 0.3390, 0.1641

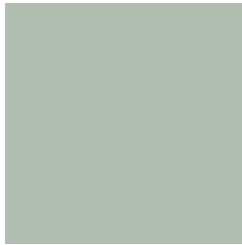


0.3712, 0.3342, 0.1615



# Previews

## White Background



This preview shows how the Yxy color 49.6660, 0.3110, 0.3474 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

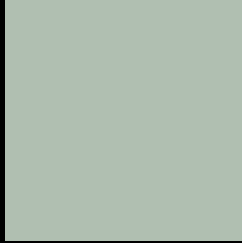
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.6660, 0.3110, 0.3474 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

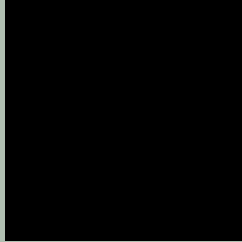
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

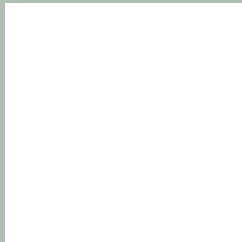
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.6660, 0.3110, 0.3474**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.6660, 0.3110, 0.3474.



This preview shows how white text looks on a background with the Yxy color 49.6660, 0.3110, 0.3474.

# 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

49.6660, 0.3110, 0.3474

### Protanopia

49.5113, 0.3281, 0.3443

### Deuteranopia

49.3071, 0.3381, 0.3303



## Tritanopia

49.5082, 0.2959, 0.3100

# Trichromacy



## Original Color

49.6660, 0.3110, 0.3474

## Protanomaly

49.6264, 0.3220, 0.3457

## Deuteranomaly

49.2311, 0.3278, 0.3366

## Tritanomaly

49.4004, 0.3017, 0.3226

# Monochromacy



## Original Color

49.6660, 0.3110, 0.3474

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.8631, 0.3124, 0.3355

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.6660, 0.3110, 0.3474 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(176, 191, 177)` looks like.

```
.text, #text, p{  
    color:rgb(176, 191, 177)  
}
```

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(176, 191, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 191, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 49.6660, 0.3110, 0.3474 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(176, 191, 177) }
```

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

```
.border{ border-color:rgb(176, 191, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 191, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 191, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 191, 177);  
box-shadow:4px 4px 4px 4px rgb(176, 191,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.6660, 0.3110, 0.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 191, 177) }
```

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

```
.background{ background-color: rgb(176,  
191, 177) }
```

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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