

# Converting Colors

$Yxy(49.7883, 0.3060, 0.3670)$

Have a look what the booklet for  
Yxy(49.7883, 0.3060, 0.3670)  
contains.

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# Color

**Yxy(49.8841, 0.3055, 0.3671)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1C4A8
RGB	161, 196, 168
RGB Percent	63%, 77%, 66%
CMY	0.3684, 0.2314, 0.3411
CMYK	0.18, 0.00, 0.14, 0.23
HSL	132°, 23%, 70%
HSV	132°, 18%, 77%
XYZ	41.5135, 49.8841, 44.4894
YIQ	182.3430, -11.8720, -16.1280

# Conversions

## Conversions Part 2

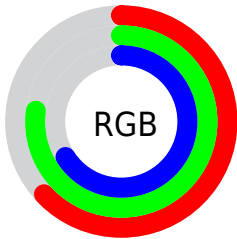
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 190, 196
Decimal	10601640
CIELab	76.00, -17.18, 10.21
CIELCh	76, 19.985, 149.285
Yxy	49.8841, 0.3055, 0.3671
Android (android.graphics.Color)	4288791720 (0xFFA1C4A8)
YUV	182.3430, -7.0711, -18.7178
Hunter-Lab	70.6287, -18.6831, 12.0930

# Details

The Yxy color **49.8841, 0.3055, 0.3671** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.9175, 0.3209, 0.2937**, and the grayscale version is **47.0258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1772, 0.3069, 0.3605**, and **23.8582, 0.3032, 0.3780** is the 20% darker color. If you saturate the color by 10%, you get **47.4560, 0.3015, 0.3921**, and if you desaturate by 10%, it is **52.7062, 0.3096, 0.3447**.

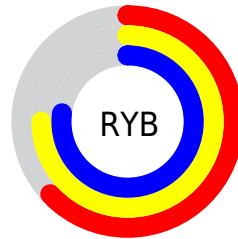
# Distribution



Red (63%)

Green (77%)

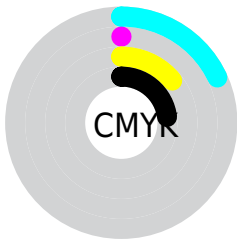
Blue (66%)



Red (63%)

Yellow (75%)

Blue (77%)

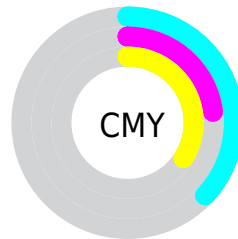


Cyan (18%)

Magenta (0%)

Yellow (14%)

Black (23%)



Cyan (37%)

Magenta (23%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8841, 0.3055, 0.3671 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 49.8841, 0.3055, 0.3671 by changing the saturation by 10% instead.





 49.8841, 0.3055,  
0.3671

 49.8841, 0.3055,  
0.3671


386.2125, 0.3093,  
0.3478

 35.3213, 0.3045,  
0.3720


 90.0031, 0.3069,  
0.3600

 23.9105, 0.3031,  
0.3784


 116.3282, 0.3075,  
0.3574

 15.2672, 0.3013,  
0.3869


147.3427, 0.3079,  
0.3551

 9.0072, 0.2986,  
0.3991

183.4313, 0.3083,  
0.3532

 4.7458, 0.2943,  
0.4175

224.9781, 0.3086,  
0.3516

 2.0989, 0.2863,  
0.4490

272.3677, 0.3089,

 0.6640, 0.2392,

0.3502

0.7502

325.9843, 0.3091,  
0.3489

0.0000, 0.0000,  
0.0000

49.8841, 0.3055,  
0.3671

49.8841, 0.3055,  
0.3671

47.4560, 0.3015,  
0.3921

52.7062, 0.3096,  
0.3447

45.3984, 0.2978,  
0.4195

55.9323, 0.3136,  
0.3249

43.6945, 0.2947,  
0.4487

59.5797, 0.3175,  
0.3076

42.3243, 0.2923,  
0.4788

63.6630, 0.3211,  
0.2926

41.2652, 0.2910,  
0.5084

67.4205, 0.3215,  
0.2790

■ 40.4921, 0.2909,  
0.5357

■ 67.9565, 0.3154,  
0.2712

■ 39.9758, 0.2920,  
0.5592

■ 39.6743, 0.2942,  
0.5774

■ 39.6232, 0.2946,  
0.5807

# Harmonies

## Analogous

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



49.8841, 0.3328, 0.3774



49.8841, 0.3055, 0.3671



49.8841, 0.2809, 0.3451

# Triad

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



49.8841, 0.3055, 0.3671



49.8841, 0.2708, 0.2855



49.8841, 0.3628, 0.3355

# Complementary

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



49.8841, 0.3055, 0.3671



40.9175, 0.3209, 0.2937

# 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.



49.8841, 0.3447, 0.3129



49.8841, 0.3055, 0.3671



49.8841, 0.2912, 0.2848

# Square

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



49.8841, 0.3055, 0.3671



49.8841, 0.2615, 0.2975



49.8841, 0.3182, 0.2948



49.8841, 0.3666, 0.3574



# Rectangle

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



49.8841, 0.3055, 0.3671



49.8841, 0.2691, 0.3277



49.8841, 0.3182, 0.2948



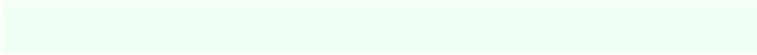
49.8841, 0.3581, 0.3277

# Sweetspot

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



49.8862, 0.3055, 0.3671



97.0212, 0.3107, 0.3390



52.9455, 0.3338, 0.3736



20.6802, 0.3104, 0.3405



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

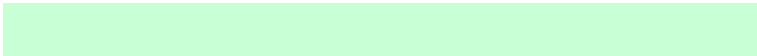


# Same Dimension

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



49.8862, 0.3055, 0.3671



88.7591, 0.3041, 0.3756



50.5585, 0.2937, 0.3437



11.2909, 0.3089, 0.3480



25.4718, 0.2941, 0.5787



1.1105, 0.2825, 0.5370



# Inverse Universe

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



40.9175, 0.3209, 0.2937



69.7955, 0.3227, 0.2865



40.2248, 0.3363, 0.3148



10.2120, 0.3167, 0.3107



9.1167, 0.3780, 0.1856



0.4029, 0.3630, 0.1774



# Previews

## White Background



This preview shows how the Yxy color 49.8841, 0.3055, 0.3671 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

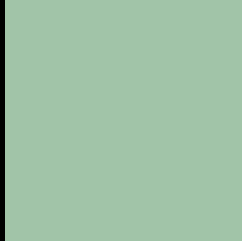
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.8841, 0.3055, 0.3671 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

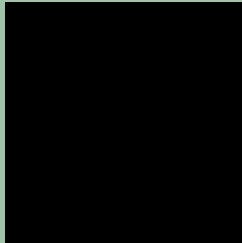
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

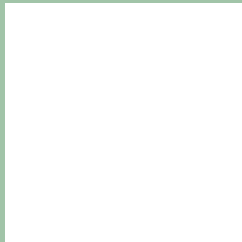
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.8841, 0.3055, 0.3671**

## Background



This preview shows how black text looks on a background with the Yxy color 49.8841, 0.3055, 0.3671.



This preview shows how white text looks on a background with the Yxy color 49.8841, 0.3055, 0.3671.

# 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

49.8841, 0.3055, 0.3671

### Protanopia

49.4979, 0.3397, 0.3583

### Deuteranopia

49.4317, 0.3476, 0.3400



## Tritanopia

50.0427, 0.2842, 0.3097

## Trichromacy



**Original Color**

49.8841, 0.3055, 0.3671

**Protanomaly**

49.6108, 0.3261, 0.3617

**Deuteranomaly**

49.3575, 0.3314, 0.3494

**Tritanomaly**

49.9450, 0.2916, 0.3303

## Monochromacy



**Original Color**

49.8841, 0.3055, 0.3671

**Achromatopsia**

46.7784, 0.3127, 0.3290

**Achromatomaly**

47.7136, 0.3096, 0.3423

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.8841, 0.3055, 0.3671 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(161, 196, 168)` looks like.

```
.text, #text, p{  
    color:rgb(161, 196, 168)  
}
```

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(161, 196, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 196, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 49.8841, 0.3055, 0.3671 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(161, 196, 168) }
```

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

```
.border{ border-color:rgb(161, 196, 168) }
```

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

Here you see how a box with a 4 pixel rgb(161, 196, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 196, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 196, 168);  
box-shadow:4px 4px 4px 4px rgb(161, 196,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.8841, 0.3055, 0.3671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 196, 168) }
```

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

```
.background{ background-color: rgb(161,  
196, 168) }
```

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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