

# Converting Colors

$Yxy(48.3536, 0.3065, 0.3543)$

Have a look what the booklet for  
Yxy(48.3536, 0.3065, 0.3543)  
contains.

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# Color

**Yxy(48.3472, 0.3067, 0.3547)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6BFAC
RGB	166, 191, 172
RGB Percent	65%, 75%, 67%
CMY	0.3490, 0.2510, 0.3255
CMYK	0.13, 0.00, 0.10, 0.25
HSL	134°, 16%, 70%
HSV	134°, 13%, 75%
XYZ	41.8046, 48.3472, 46.1527
YIQ	181.3590, -8.8010, -11.2090

# Conversions

## Conversions Part 2

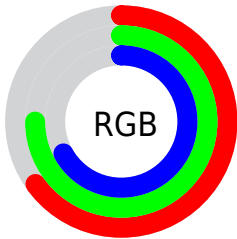
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 186, 191
Decimal	10928044
CIE <sub>Lab</sub>	75.04, -12.18, 6.73
CIE <sub>LCh</sub>	75, 13.920, 151.064
Yxy	48.3472, 0.3067, 0.3547
Android (android.graphics.Color)	4289118124 (0xFFA6BFAC)
YUV	181.3590, -4.6140, -13.4698
Hunter-Lab	69.5322, -14.3623, 9.3181

# Details

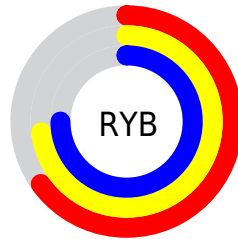
The Yxy color  $48.3472, 0.3067, 0.3547$  is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be  $41.8589, 0.3193, 0.3046$ , and the grayscale version is  $46.4439, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.4397, 0.3079, 0.3499$ , and  $23.1104, 0.3047, 0.3626$  is the 20% darker color. If you saturate the color by 10%, you get  $45.9076, 0.3021, 0.3772$ , and if you desaturate by 10%, it is  $51.1586, 0.3113, 0.3347$ .

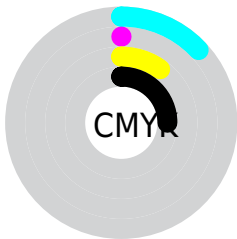
# Distribution



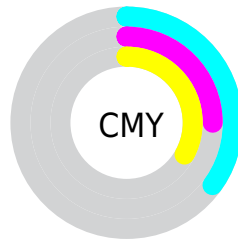
- Red (65%)
- Green (75%)
- Blue (67%)



- Red (65%)
- Yellow (73%)
- Blue (75%)



- Cyan (13%)
- Magenta (0%)
- Yellow (10%)
- Black (25%)




- Cyan (35%)
- Magenta (25%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3472, 0.3067, 0.3547 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 48.3472, 0.3067, 0.3547 by changing the saturation by 10% instead.





 48.3472, 0.3067,  
0.3547


 48.3472, 0.3067,  
0.3547


380.1667, 0.3098,  
0.3417

 34.1019, 0.3059,  
0.3580


 87.7211, 0.3079,  
0.3499

 22.9719, 0.3048,  
0.3623


 113.6186, 0.3083,  
0.3482

 14.5728, 0.3034,  
0.3680


144.1688, 0.3086,  
0.3467

 8.5201, 0.3013,  
0.3761

179.7564, 0.3089,  
0.3454

 4.4295, 0.2981,  
0.3885

220.7655, 0.3092,  
0.3443

 1.9166, 0.2924,  
0.4096

267.5807, 0.3094,

 0.5583, 0.2512,

0.3433

0.6012

320.5863, 0.3096,  
0.3425

0.0000, 0.0000,  
0.0000

48.3472, 0.3067,  
0.3547

48.3472, 0.3067,  
0.3547

45.9076, 0.3021,  
0.3772

51.1586, 0.3113,  
0.3347

43.8181, 0.2978,  
0.4021

54.3500, 0.3158,  
0.3171

42.0643, 0.2940,  
0.4290

57.9374, 0.3202,  
0.3016

40.6284, 0.2909,  
0.4574

61.9335, 0.3244,  
0.2882

39.4907, 0.2889,  
0.4862

65.0939, 0.3232,  
0.2758

■ 38.6295, 0.2881,  
0.5141

■ 65.7423, 0.3157,  
0.2663

■ 38.0199, 0.2888,  
0.5395

■ 37.6324, 0.2908,  
0.5610

■ 37.4570, 0.2926,  
0.5732

# Harmonies

## Analogous

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



48.3472, 0.3260, 0.3625



48.3472, 0.3067, 0.3547



48.3472, 0.2894, 0.3393

# Triad

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



48.3472, 0.3067, 0.3547



48.3472, 0.2837, 0.2979



48.3472, 0.3482, 0.3349

# Complementary

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



48.3472, 0.3067, 0.3547



41.8589, 0.3193, 0.3046

# 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.



48.3472, 0.3362, 0.3186



48.3472, 0.3067, 0.3547



48.3472, 0.2987, 0.2976

# Square

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



48.3472, 0.3067, 0.3547



48.3472, 0.2764, 0.3063



48.3472, 0.3179, 0.3052



48.3472, 0.3504, 0.3503



# Rectangle

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



48.3472, 0.3067, 0.3547



48.3472, 0.2812, 0.3273



48.3472, 0.3179, 0.3052



48.3472, 0.3452, 0.3294

# Sweetspot

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



48.3493, 0.3067, 0.3547



91.0996, 0.3109, 0.3365



50.3517, 0.3271, 0.3614



19.9163, 0.3105, 0.3380



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

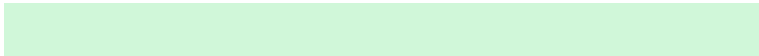


# Same Dimension

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



48.3493, 0.3067, 0.3547



85.1350, 0.3052, 0.3616



48.8460, 0.2977, 0.3378



10.6860, 0.3084, 0.3469



24.6265, 0.2920, 0.5711



0.9752, 0.2785, 0.5227



# Inverse Universe

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



41.8589, 0.3193, 0.3046



71.0059, 0.3212, 0.2985



41.3597, 0.3303, 0.3204



9.6562, 0.3173, 0.3117



8.6426, 0.3914, 0.1930



0.3481, 0.3713, 0.1819



# Previews

## White Background



This preview shows how the Yxy color 48.3472, 0.3067, 0.3547 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 48.3472, 0.3067, 0.3547 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

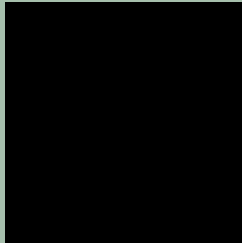
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

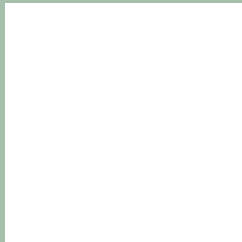
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.3472, 0.3067, 0.3547**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.3472, 0.3067, 0.3547.



This preview shows how white text looks on a background with the Yxy color 48.3472, 0.3067, 0.3547.

# 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

48.3472, 0.3067, 0.3547

### Protanopia

48.3146, 0.3324, 0.3496

### Deuteranopia

48.0577, 0.3401, 0.3328



## Tritanopia

48.4628, 0.2889, 0.3096

# Trichromacy



**Original Color**

48.3472, 0.3067, 0.3547

**Protanomaly**

48.4725, 0.3234, 0.3526

**Deuteranomaly**

47.9993, 0.3268, 0.3406

**Tritanomaly**

48.1630, 0.2952, 0.3250

# Monochromacy



**Original Color**

48.3472, 0.3067, 0.3547

**Achromatopsia**

46.2077, 0.3127, 0.3290

**Achromatomaly**

47.1424, 0.3106, 0.3383

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.3472, 0.3067, 0.3547 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(166, 191, 172)` looks like.

```
.text, #text, p{  
    color:rgb(166, 191, 172)  
}
```

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(166, 191, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 191, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 48.3472, 0.3067, 0.3547 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(166, 191, 172) }
```

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

```
.border{ border-color:rgb(166, 191, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 191, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 191, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 191, 172);  
box-shadow:4px 4px 4px 4px rgb(166, 191,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.3472, 0.3067, 0.3547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 191, 172) }
```

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

```
.background{ background-color: rgb(166,  
191, 172) }
```

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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