

# Converting Colors

$Yxy(48.2501, 0.2677, 0.3791)$

Have a look what the booklet for  
Yxy(48.2501, 0.2677, 0.3791)  
contains.

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# Color

**Yxy(48.0487, 0.2675, 0.3782)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68CAA9
RGB	104, 202, 169
RGB Percent	41%, 79%, 66%
CMY	0.5924, 0.2078, 0.3373
CMYK	0.49, 0.00, 0.16, 0.21
HSL	160°, 48%, 60%
HSV	160°, 49%, 79%
XYZ	33.9847, 48.0487, 45.0123
YIQ	168.9360, -47.8150, -31.0390

# Conversions

## Conversions Part 2

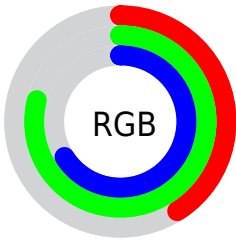
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">104, 163, 202</a>
Decimal	<a href="#">6867625</a>
CIELab	<a href="#">74.86, -36.74, 7.66</a>
CIElCh	<a href="#">75, 37.526, 168.224</a>
Yxy	<a href="#">48.0487, 0.2675, 0.3782</a>
Android (android.graphics.Color)	<a href="#">4285057705 (0xFF68CAA9)</a>
YUV	<a href="#">168.9360, 0.0316, -56.9489</a>
Hunter-Lab	<a href="#">69.3172, -33.7903, 10.0210</a>

# Details

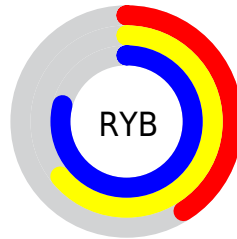
The Yxy color **48.0487, 0.2675, 0.3782** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.2528, 0.3996, 0.2866**, and the grayscale version is **39.6542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4789, 0.2757, 0.3644**, and **22.7097, 0.2545, 0.3924** is the 20% darker color. If you saturate the color by 10%, you get **46.7350, 0.2615, 0.3905**, and if you desaturate by 10%, it is **49.6690, 0.2750, 0.3665**.

# Distribution



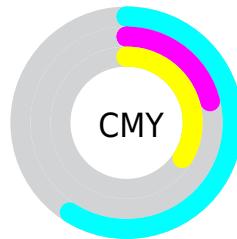
- Red (41%)
- Green (79%)
- Blue (66%)



- Red (41%)
- Yellow (64%)
- Blue (79%)



- Cyan (49%)
- Magenta (0%)
- Yellow (16%)
- Black (21%)




- Cyan (59%)
- Magenta (21%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0487, 0.2675, 0.3782 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 48.0487, 0.2675, 0.3782 by changing the saturation by 10% instead.





 48.0487, 0.2675,  
0.3782

 48.0487, 0.2675,  
0.3782


378.9851, 0.2903,  
0.3530

 33.8655, 0.2618,  
0.3847


 87.2769, 0.2758,  
0.3689

 22.7903, 0.2544,  
0.3931


 113.0907, 0.2789,  
0.3654

 14.4387, 0.2445,  
0.4046


 143.5500, 0.2816,  
0.3625

 8.4264, 0.2307,  
0.4209

 179.0394, 0.2838,  
0.3601

 4.3690, 0.2101,  
0.4460

219.9433, 0.2857,  
0.3579

 1.8820, 0.1738,  
0.4909

266.6459, 0.2874,

 0.5375, 0.0000,

0.3561

0.9151

319.5317, 0.2889,  
0.3544

0.0000, 0.0000,  
0.0000

48.0487, 0.2675,  
0.3782

48.0487, 0.2675,  
0.3782

46.7350, 0.2615,  
0.3905

49.6690, 0.2750,  
0.3665

45.7009, 0.2573,  
0.4033

51.6093, 0.2837,  
0.3555

44.9243, 0.2550,  
0.4162


53.8891, 0.2934,  
0.3454

44.3769, 0.2548,  
0.4292


56.5245, 0.3036,  
0.3362

44.0143, 0.2563,  
0.4419

59.5307, 0.3143,  
0.3278

 43.9676, 0.2566,  
0.4437

 62.9221, 0.3250,  
0.3204

 66.7121, 0.3358,  
0.3138

 68.8567, 0.3381,  
0.3074

 69.2320, 0.3330,  
0.3007

# Harmonies

## Analogous

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



48.0487, 0.3161, 0.4154



48.0487, 0.2675, 0.3782



48.0487, 0.2328, 0.3261

# Triad

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



48.0487, 0.2675, 0.3782



48.0487, 0.2563, 0.2468



48.0487, 0.4165, 0.3639

# Complementary

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



48.0487, 0.2675, 0.3782



24.2528, 0.3996, 0.2866

# 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.



48.0487, 0.3986, 0.3230



48.0487, 0.2675, 0.3782



48.0487, 0.3023, 0.2586

# Square

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



48.0487, 0.2675, 0.3782



48.0487, 0.2271, 0.2535



48.0487, 0.3553, 0.2857



48.0487, 0.4036, 0.4007



# Rectangle

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



48.0487, 0.2675, 0.3782



48.0487, 0.2211, 0.2941



48.0487, 0.3553, 0.2857



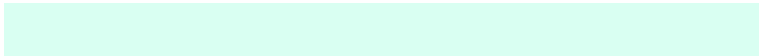
48.0487, 0.4140, 0.3503

# Sweetspot

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



48.0506, 0.2675, 0.3782



92.6514, 0.2968, 0.3422



48.6713, 0.3299, 0.4703



19.6348, 0.2946, 0.3442



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.



48.0506, 0.2675, 0.3782



79.0692, 0.2614, 0.3908



42.8735, 0.2453, 0.3075



12.6603, 0.3028, 0.3369



28.3060, 0.2561, 0.4420



1.4741, 0.2492, 0.4172



# Inverse Universe

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



24.2528, 0.3996, 0.2866



34.2274, 0.4293, 0.2794



26.6681, 0.4365, 0.3484



11.2750, 0.3238, 0.3212



8.3637, 0.5608, 0.2863

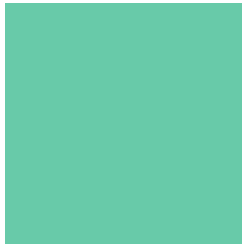


0.4456, 0.5053, 0.2557



# Previews

## White Background



This preview shows how the Yxy color 48.0487, 0.2675, 0.3782 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

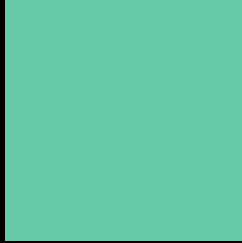
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.0487, 0.2675, 0.3782 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

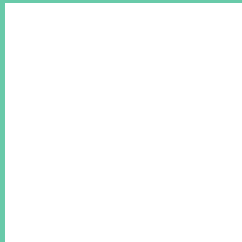
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.0487, 0.2675, 0.3782**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.0487, 0.2675, 0.3782.

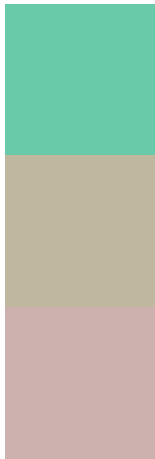


This preview shows how white text looks on a background with the Yxy color 48.0487, 0.2675, 0.3782.

# 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

48.0487, 0.2675, 0.3782

### Protanopia

47.5766, 0.3401, 0.3601

### Deuteranopia

47.3376, 0.3393, 0.3328



## Tritanopia

47.9463, 0.2485, 0.3068

# Trichromacy



## Original Color

48.0487, 0.2675, 0.3782



## Protanomaly

46.9448, 0.3085, 0.3665



## Deuteranomaly

46.4212, 0.3085, 0.3480



## Tritanomaly

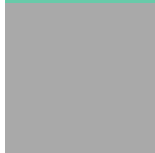
47.8184, 0.2555, 0.3317

# Monochromacy



## Original Color

48.0487, 0.2675, 0.3782



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

41.9321, 0.2921, 0.3464

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  48.0487, 0.2675, 0.3782 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(104, 202, 169)` looks like.

```
.text, #text, p{  
    color:rgb(104, 202, 169)  
}
```

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(104, 202, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 202, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 48.0487, 0.2675, 0.3782 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(104, 202, 169) }
```

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

```
.border{ border-color:rgb(104, 202, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 202, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 202, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 202, 169);  
box-shadow:4px 4px 4px 4px rgb(104, 202,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.0487, 0.2675, 0.3782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 202, 169) }
```

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

```
.background{ background-color: rgb(104,  
202, 169) }
```

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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