

# Converting Colors

$Yxy(47.8828, 0.2992, 0.4254)$

Have a look what the booklet for  
Yxy(47.8828, 0.2992, 0.4254)  
contains.

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# Color

**Yxy(47.8645, 0.2991, 0.4247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CC989
RGB	124, 201, 137
RGB Percent	49%, 79%, 54%
CMY	0.5139, 0.2117, 0.4627
CMYK	0.38, 0.00, 0.32, 0.21
HSL	130°, 42%, 64%
HSV	130°, 38%, 79%
XYZ	33.7091, 47.8645, 31.1283
YIQ	170.6810, -25.3480, -36.2280

# Conversions

## Conversions Part 2

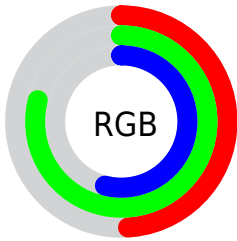
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">124, 190, 201</a>
Decimal	<a href="#">8178057</a>
CIELab	<a href="#">74.74, -37.20, 24.69</a>
CIElCh	<a href="#">75, 44.648, 146.421</a>
Yxy	<a href="#">47.8645, 0.2991, 0.4247</a>
Android (android.graphics.Color)	<a href="#">4286368137 (0xFF7CC989)</a>
YUV	<a href="#">170.6810, -16.6047, -40.9392</a>
Hunter-Lab	<a href="#">69.1842, -34.1004, 21.7524</a>

# Details

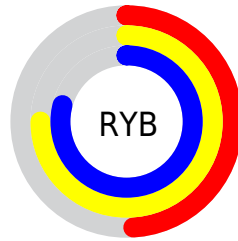
The Yxy color  $47.8645, 0.2991, 0.4247$  is a light color, and the websafe version is hex  $66CC99$ . A complement of this color would be  $30.4526, 0.3305, 0.2494$ , and the grayscale version is  $40.6466, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $84.8653, 0.3023, 0.4023$ , and  $22.5480, 0.2924, 0.4539$  is the 20% darker color. If you saturate the color by 10%, you get  $46.0763, 0.2962, 0.4551$ , and if you desaturate by 10%, it is  $50.0360, 0.3025, 0.3961$ .

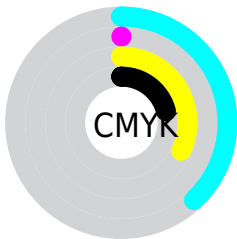
# Distribution



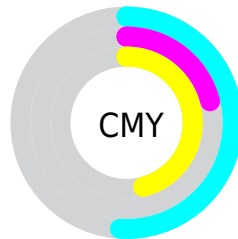
- Red (49%)
- Green (79%)
- Blue (54%)



- Red (49%)
- Yellow (75%)
- Blue (79%)



- Cyan (38%)
- Magenta (0%)
- Yellow (32%)
- Black (21%)




- Cyan (51%)
- Magenta (21%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8645, 0.2991, 0.4247 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 47.8645, 0.2991, 0.4247 by changing the saturation by 10% instead.





 47.8645, 0.2991,  
0.4247


 47.8645, 0.2991,  
0.4247


378.2548, 0.3073,  
0.3744


 33.7196, 0.2966,  
0.4380


 87.0026, 0.3024,  
0.4059

 22.6783, 0.2930,  
0.4554


 112.7646, 0.3036,  
0.3990

 14.3561, 0.2877,  
0.4794


 143.1678, 0.3045,  
0.3932

 8.3688, 0.2792,  
0.5139

178.5965, 0.3053,  
0.3883

 4.3318, 0.2641,  
0.5675

219.4352, 0.3059,  
0.3841

 1.8609, 0.2517,  
0.7286

266.0682, 0.3064,

 0.5247, 0.0000,

0.3805

1.0000

318.8799, 0.3069,  
0.3773

0.0000, 0.0000,  
0.0000

47.8645, 0.2991,  
0.4247

47.8645, 0.2991,  
0.4247

46.0763, 0.2962,  
0.4551

50.0360, 0.3025,  
0.3961

44.6435, 0.2940,  
0.4861

52.6052, 0.3060,  
0.3699

43.5435, 0.2928,  
0.5163


55.5928, 0.3097,  
0.3464

42.7490, 0.2927,  
0.5436


59.0166, 0.3133,  
0.3257

42.2279, 0.2938,  
0.5664

62.8930, 0.3168,  
0.3077

 41.9326, 0.2957,  
0.5832

 67.2379, 0.3200,  
0.2920

 41.8943, 0.2960,  
0.5855

 70.1872, 0.3160,  
0.2772

 70.2586, 0.3152,  
0.2762

# Harmonies

## Analogous

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



47.8645, 0.3593, 0.4421



47.8645, 0.2991, 0.4247



47.8645, 0.2455, 0.3713

# Triad

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



47.8645, 0.2991, 0.4247



47.8645, 0.2194, 0.2359



47.8645, 0.4246, 0.3336

# Complementary

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



47.8645, 0.2991, 0.4247



30.4526, 0.3305, 0.2494

# 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.



47.8645, 0.3795, 0.2889



47.8645, 0.2991, 0.4247



47.8645, 0.2590, 0.2349

# Square

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



47.8645, 0.2991, 0.4247



47.8645, 0.2032, 0.2600



47.8645, 0.3170, 0.2539



47.8645, 0.4352, 0.3811

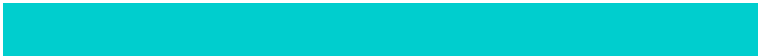


# Rectangle

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



47.8645, 0.2991, 0.4247



47.8645, 0.2204, 0.3284



47.8645, 0.3170, 0.2539



47.8645, 0.4129, 0.3181

# Sweetspot

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



47.8665, 0.2991, 0.4247



93.1209, 0.3083, 0.3551



53.9455, 0.3586, 0.4270



19.7857, 0.3078, 0.3582



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.



47.8665, 0.2991, 0.4247



79.3511, 0.2967, 0.4499



49.1683, 0.2750, 0.3658



11.9167, 0.3093, 0.3488



26.3475, 0.2955, 0.5836



1.2569, 0.2856, 0.5480



# Inverse Universe

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



30.4526, 0.3305, 0.2494



45.3574, 0.3354, 0.2330



29.0136, 0.3746, 0.2956



10.7846, 0.3163, 0.3100



9.5731, 0.3685, 0.1803



0.4617, 0.3569, 0.1740



# Previews

## White Background



This preview shows how the Yxy color 47.8645, 0.2991, 0.4247 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 47.8645, 0.2991, 0.4247 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 47.8645, 0.2991, 0.4247**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.8645, 0.2991, 0.4247.

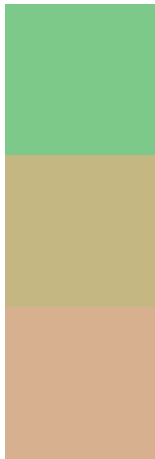


This preview shows how white text looks on a background with the Yxy color 47.8645, 0.2991, 0.4247.

# 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

47.8645, 0.2991, 0.4247

### Protanopia

47.3223, 0.3696, 0.3982

### Deuteranopia

47.3300, 0.3763, 0.3694



## Tritanopia

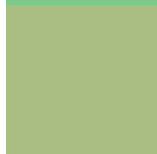
47.6566, 0.2625, 0.3073

# Trichromacy



## Original Color

47.8645, 0.2991, 0.4247



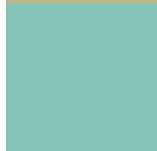
## Protanomaly

47.0389, 0.3404, 0.4089



## Deuteranomaly

46.4448, 0.3444, 0.3882



## Tritanomaly

47.3942, 0.2758, 0.3473

# Monochromacy



## Original Color

47.8645, 0.2991, 0.4247



## Achromatopsia

40.7240, 0.3127, 0.3290



## Achromatomaly

42.8291, 0.3070, 0.3621

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  47.8645, 0.2991, 0.4247 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(124, 201, 137)` looks like.

```
.text, #text, p{  
    color:rgb(124, 201, 137)  
}
```

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(124, 201, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 201, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 47.8645, 0.2991, 0.4247 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(124, 201, 137) }
```

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

```
.border{ border-color:rgb(124, 201, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 201, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(124, 201, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(124, 201, 137); box-shadow:4px 4px 4px 4px rgb(124, 201, 137) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.8645, 0.2991, 0.4247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 201, 137) }
```

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

```
.background{ background-color: rgb(124,  
201, 137) }
```

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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