

# Converting Colors

$Yxy(48.2781, 0.3111, 0.4191)$

Have a look what the booklet for  
Yxy(48.2781, 0.3111, 0.4191)  
contains.

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# Color

**Yxy(48.2284, 0.3107, 0.4191)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CC789
RGB	140, 199, 137
RGB Percent	55%, 78%, 54%
CMY	0.4510, 0.2196, 0.4627
CMYK	0.30, 0.00, 0.31, 0.22
HSL	117°, 36%, 66%
HSV	117°, 31%, 78%
XYZ	35.7541, 48.2284, 31.0936
YIQ	174.2910, -15.2620, -31.7900

# Conversions

## Conversions Part 2

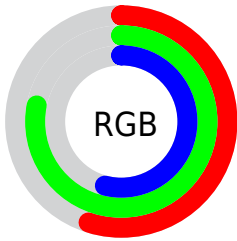
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">137, 199, 196</a>
Decimal	<a href="#">9226121</a>
CIELab	<a href="#">74.97, -31.17, 25.14</a>
CIELCh	<a href="#">75, 40.043, 141.113</a>
Yxy	<a href="#">48.2284, 0.3107, 0.4191</a>
Android (android.graphics.Color)	<a href="#">4287416201 (0xFF8CC789)</a>
YUV	<a href="#">174.2910, -18.3845, -30.0732</a>
Hunter-Lab	<a href="#">69.4467, -29.6322, 22.0666</a>

# Details

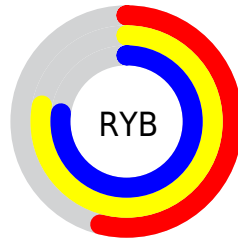
The Yxy color **48.2284, 0.3107, 0.4191** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.7545, 0.3133, 0.2517**, and the grayscale version is **42.5882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8837, 0.3118, 0.4003**, and **23.0136, 0.3081, 0.4468** is the 20% darker color. If you saturate the color by 10%, you get **46.2048, 0.3096, 0.4536**, and if you desaturate by 10%, it is **50.6446, 0.3116, 0.3868**.

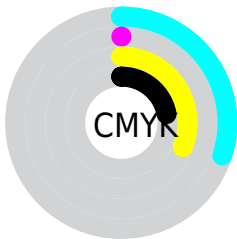
# Distribution



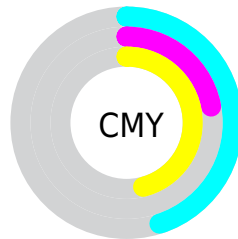
- Red (55%)
- Green (78%)
- Blue (54%)



- Red (54%)
- Yellow (78%)
- Blue (77%)



- Cyan (30%)
- Magenta (0%)
- Yellow (31%)
- Black (22%)




- Cyan (45%)
- Magenta (22%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2284, 0.3107, 0.4191 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 48.2284, 0.3107, 0.4191 by changing the saturation by 10% instead.





 48.2284, 0.3107,  
0.4191


 48.2284, 0.3107,  
0.4191


379.6967, 0.3130,  
0.3721

 34.0078, 0.3097,  
0.4314


 87.5444, 0.3118,  
0.4016

 22.8996, 0.3081,  
0.4475


 113.4085, 0.3122,  
0.3952

 14.5194, 0.3055,  
0.4694


 143.9227, 0.3124,  
0.3898

 8.4828, 0.3008,  
0.5008

179.4712, 0.3126,  
0.3852

 4.4054, 0.2914,  
0.5489

220.4384, 0.3127,  
0.3812

 1.9028, 0.2946,  
0.6885

267.2088, 0.3128,

 0.5501, 0.0000,

0.3778

1.0000

320.1668, 0.3129,  
0.3748

0.0000, 0.0000,  
0.0000

48.2284, 0.3107,  
0.4191

48.2284, 0.3107,  
0.4191

46.2048, 0.3096,  
0.4536

50.6446, 0.3116,  
0.3868

44.5474, 0.3082,  
0.4889

53.4661, 0.3122,  
0.3576

43.2360, 0.3067,  
0.5229


56.7125, 0.3127,  
0.3318


42.2462, 0.3050,  
0.5530


60.4004, 0.3130,  
0.3092

41.5502, 0.3033,  
0.5765

64.5455, 0.3132,  
0.2896

 41.1154, 0.3018,  
0.5919

 69.0715, 0.3143,  
0.2740

 40.9106, 0.3009,  
0.5993

 69.3287, 0.3153,  
0.2742

# Harmonies

## Analogous

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



48.2284, 0.3644, 0.4290



48.2284, 0.3107, 0.4191



48.2284, 0.2601, 0.3765

# Triad

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



48.2284, 0.3107, 0.4191



48.2284, 0.2241, 0.2473



48.2284, 0.4076, 0.3264

# Complementary

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



48.2284, 0.3107, 0.4191



33.7545, 0.3133, 0.2517

# 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.



48.2284, 0.3633, 0.2865



48.2284, 0.3107, 0.4191



48.2284, 0.2567, 0.2424

# Square

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



48.2284, 0.3107, 0.4191



48.2284, 0.2132, 0.2736



48.2284, 0.3069, 0.2566



48.2284, 0.4233, 0.3696



# Rectangle

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



48.2284, 0.3107, 0.4191



48.2284, 0.2347, 0.3390



48.2284, 0.3069, 0.2566



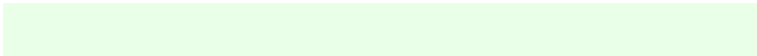
48.2284, 0.3954, 0.3123

# Sweetspot

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



48.2304, 0.3107, 0.4191



94.6992, 0.3123, 0.3521



53.3856, 0.3603, 0.4025



20.0988, 0.3122, 0.3561



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

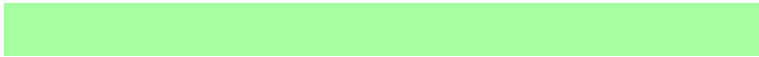


# Same Dimension

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



48.2304, 0.3107, 0.4191



82.1021, 0.3100, 0.4410



48.8808, 0.2900, 0.3777



11.9119, 0.3123, 0.3528



26.3163, 0.3012, 0.5991



1.2548, 0.3054, 0.5957



# Inverse Universe

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



33.7545, 0.3133, 0.2517



52.9941, 0.3133, 0.2361



32.9804, 0.3446, 0.2851



10.7895, 0.3130, 0.3062



9.6521, 0.3090, 0.1476



0.4652, 0.3116, 0.1490



# Previews

## White Background



This preview shows how the Yxy color 48.2284, 0.3107, 0.4191 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 48.2284, 0.3107, 0.4191 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 48.2284, 0.3107, 0.4191**

## Background



This preview shows how black text looks on a background with the Yxy color 48.2284, 0.3107, 0.4191.



This preview shows how white text looks on a background with the Yxy color 48.2284, 0.3107, 0.4191.

# 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

48.2284, 0.3107, 0.4191

### Protanopia

47.8985, 0.3693, 0.3979

### Deuteranopia

47.6026, 0.3791, 0.3703



## Tritanopia

47.9585, 0.2727, 0.3077

# Trichromacy



**Original Color**

48.2284, 0.3107, 0.4191

**Protanomaly**

47.4358, 0.3461, 0.4047

**Deuteranomaly**

46.8658, 0.3519, 0.3870

**Tritanomaly**

47.7720, 0.2866, 0.3456

# Monochromacy



**Original Color**

48.2284, 0.3107, 0.4191

**Achromatopsia**

42.3268, 0.3127, 0.3290

**Achromatomaly**

44.1216, 0.3121, 0.3599

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.2284, 0.3107, 0.4191 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(140, 199, 137)` looks like.

```
.text, #text, p{  
    color:rgb(140, 199, 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(140, 199, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 199, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 48.2284, 0.3107, 0.4191 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(140, 199, 137) }
```

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

```
.border{ border-color:rgb(140, 199, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 199, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(140, 199, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(140, 199, 137); box-shadow:4px 4px 4px 4px rgb(140, 199, 137) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.2284, 0.3107, 0.4191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 199, 137) }
```

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

```
.background{ background-color: rgb(140,  
199, 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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