

# Converting Colors

$Yxy(48.4693, 0.3026, 0.4028)$

Have a look what the booklet for  
Yxy(48.4693, 0.3026, 0.4028)  
contains.

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# Color

**Yxy(48.4739, 0.3026, 0.4028)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BC794
RGB	139, 199, 148
RGB Percent	55%, 78%, 58%
CMY	0.4549, 0.2196, 0.4196
CMYK	0.30, 0.00, 0.26, 0.22
HSL	129°, 35%, 66%
HSV	129°, 30%, 78%
XYZ	36.4156, 48.4739, 35.4529
YIQ	175.2460, -19.3890, -28.5810

# Conversions

## Conversions Part 2

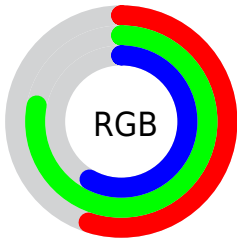
Format	Color
<a href="#">RYB</a>	<a href="#">139, 191, 199</a>
Decimal	<a href="#">9160596</a>
CIELab	<a href="#">75.12, -29.62, 19.52</a>
CIElCh	<a href="#">75, 35.472, 146.620</a>
Yxy	<a href="#">48.4739, 0.3026, 0.4028</a>
Android (android.graphics.Color)	<a href="#">4287350676 (0xFF8BC794)</a>
YUV	<a href="#">175.2460, -13.4323, -31.7877</a>
Hunter-Lab	<a href="#">69.6232, -28.4783, 18.5452</a>

# Details

The Yxy color **48.4739, 0.3026, 0.4028** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.3253, 0.3249, 0.2650**, and the grayscale version is **43.0828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2536, 0.3052, 0.3878**, and **23.1401, 0.2987, 0.4264** is the 20% darker color. If you saturate the color by 10%, you get **46.4189, 0.2995, 0.4325**, and if you desaturate by 10%, it is **50.9231, 0.3059, 0.3755**.

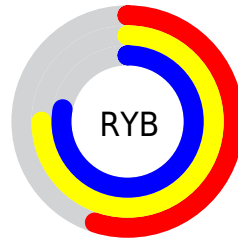
# Distribution



Red (55%)

Green (78%)

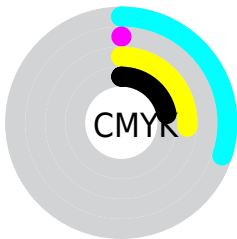
Blue (58%)



Red (55%)

Yellow (75%)

Blue (78%)

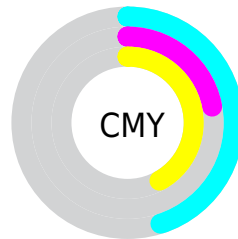


Cyan (30%)

Magenta (0%)

Yellow (26%)

Black (22%)



Cyan (45%)

Magenta (22%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4739, 0.3026, 0.4028 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 48.4739, 0.3026, 0.4028 by changing the saturation by 10% instead.





 48.4739, 0.3026,  
0.4028

 48.4739, 0.3026,  
0.4028

380.6675, 0.3085,  
0.3645


 34.2023, 0.3009,  
0.4128


 87.9096, 0.3049,  
0.3886

 23.0491, 0.2984,  
0.4259


 113.8425, 0.3058,  
0.3833

 14.6297, 0.2949,  
0.4437


 144.4313, 0.3064,  
0.3789

 8.5600, 0.2893,  
0.4694

180.0603, 0.3070,  
0.3752

 4.4553, 0.2797,  
0.5093

221.1141, 0.3074,  
0.3719

 1.9314, 0.2665,  
0.5928

267.9770, 0.3078,

 0.5671, 0.0000,

0.3691

1.0000

321.0333, 0.3082,  
0.3667

0.0000, 0.0000,  
0.0000

48.4739, 0.3026,  
0.4028

48.4739, 0.3026,  
0.4028

46.4189, 0.2995,  
0.4325

50.9231, 0.3059,  
0.3755

44.7316, 0.2969,  
0.4637

53.7792, 0.3093,  
0.3510

43.3919, 0.2949,  
0.4952


57.0618, 0.3127,  
0.3293


42.3752, 0.2939,  
0.5253


60.7875, 0.3159,  
0.3104


41.6537, 0.2940,  
0.5519

64.9719, 0.3189,  
0.2939

 41.1948, 0.2951,  
0.5732

 68.9793, 0.3192,  
0.2793

 40.9420, 0.2967,  
0.5880

 69.3291, 0.3153,  
0.2742

# Harmonies

## Analogous

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



48.4739, 0.3508, 0.4178



48.4739, 0.3026, 0.4028



48.4739, 0.2592, 0.3621

# Triad

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



48.4739, 0.3026, 0.4028



48.4739, 0.2375, 0.2539



48.4739, 0.4012, 0.3344

# Complementary

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



48.4739, 0.3026, 0.4028



34.3253, 0.3249, 0.2650

# 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.



48.4739, 0.3660, 0.2972



48.4739, 0.3026, 0.4028



48.4739, 0.2703, 0.2525

# Square

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



48.4739, 0.3026, 0.4028



48.4739, 0.2239, 0.2744



48.4739, 0.3170, 0.2682



48.4739, 0.4100, 0.3730



# Rectangle

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



48.4739, 0.3026, 0.4028



48.4739, 0.2385, 0.3291



48.4739, 0.3170, 0.2682



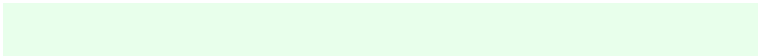
48.4739, 0.3920, 0.3215

# Sweetspot

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



48.4759, 0.3026, 0.4028



94.7108, 0.3097, 0.3486



53.7899, 0.3509, 0.4053



20.1017, 0.3092, 0.3520



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

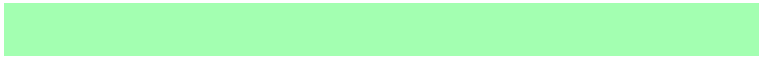


# Same Dimension

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



48.4759, 0.3026, 0.4028



82.5008, 0.3006, 0.4215



49.5123, 0.2835, 0.3598



11.9134, 0.3096, 0.3492



26.3334, 0.2962, 0.5864



1.2554, 0.2871, 0.5534



# Inverse Universe

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



34.3253, 0.3249, 0.2650



53.8901, 0.3280, 0.2515



33.1807, 0.3551, 0.3004



10.7882, 0.3160, 0.3096



9.6636, 0.3624, 0.1770



0.4652, 0.3525, 0.1715



# Previews

## White Background



This preview shows how the Yxy color 48.4739, 0.3026, 0.4028 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 48.4739, 0.3026, 0.4028 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 48.4739, 0.3026, 0.4028**

## Background



This preview shows how black text looks on a background with the Yxy color 48.4739, 0.3026, 0.4028.

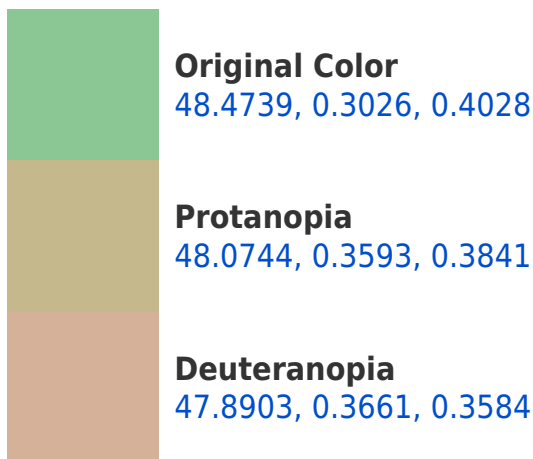


This preview shows how white text looks on a background with the Yxy color 48.4739, 0.3026, 0.4028.

# 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





## Tritanopia

48.2506, 0.2708, 0.3077

# Trichromacy



**Original Color**

48.4739, 0.3026, 0.4028

**Protanomaly**

47.6389, 0.3367, 0.3899

**Deuteranomaly**

47.3714, 0.3408, 0.3739

**Tritanomaly**

48.2397, 0.2819, 0.3399

# Monochromacy



**Original Color**

48.4739, 0.3026, 0.4028

**Achromatopsia**

42.8690, 0.3127, 0.3290

**Achromatomaly**

44.6790, 0.3090, 0.3555

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4739, 0.3026, 0.4028 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(139, 199, 148)` looks like.

```
.text, #text, p{  
    color:rgb(139, 199, 148)  
}
```

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(139, 199, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 199, 148) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4739, 0.3026, 0.4028 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(139, 199, 148) }
```

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

```
.border{ border-color:rgb(139, 199, 148) }
```

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

Here you see how a box with a 4 pixel rgb(139, 199, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 199, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 199, 148);  
box-shadow:4px 4px 4px 4px rgb(139, 199,  
148) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4739, 0.3026, 0.4028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 199, 148) }
```

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

```
.background{ background-color: rgb(139,  
199, 148) }
```

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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