

# Converting Colors

$Yxy(49.8872, 0.3016, 0.4032)$

Have a look what the booklet for  
Yxy(49.8872, 0.3016, 0.4032)  
contains.

<b>Yxy(50.0185, 0.3020, 0.4034)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(50.0185, 0.3020, 0.4034)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CCA96
RGB	140, 202, 150
RGB Percent	55%, 79%, 59%
CMY	0.4508, 0.2079, 0.4118
CMYK	0.31, 0.00, 0.26, 0.21
HSL	130°, 37%, 67%
HSV	130°, 31%, 79%
XYZ	37.4457, 50.0185, 36.5281
YIQ	177.5340, -20.2600, -29.3160

# Conversions

## Conversions Part 2

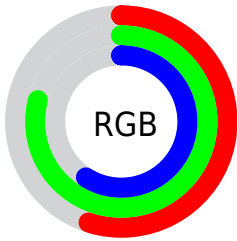
Format	Color
<a href="#">RYB</a>	<a href="#">140, 193, 202</a>
Decimal	<a href="#">9226902</a>
CIELab	<a href="#">76.08, -30.36, 19.79</a>
CIELCh	<a href="#">76, 36.238, 146.899</a>
Yxy	<a href="#">50.0185, 0.3020, 0.4034</a>
Android (android.graphics.Color)	<a href="#">4287416982 (0xFF8CCA96)</a>
YUV	<a href="#">177.5340, -13.5743, -32.9173</a>
Hunter-Lab	<a href="#">70.7238, -29.2573, 18.8839</a>

# Details

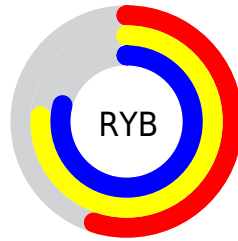
The Yxy color **50.0185, 0.3020, 0.4034** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.1350, 0.3258, 0.2646**, and the grayscale version is **44.3483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4817, 0.3047, 0.3854**, and **24.1554, 0.2980, 0.4268** is the 20% darker color. If you saturate the color by 10%, you get **47.9158, 0.2988, 0.4328**, and if you desaturate by 10%, it is **52.5266, 0.3054, 0.3763**.

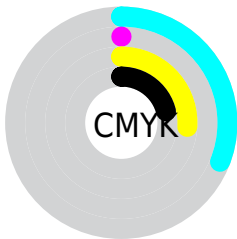
# Distribution



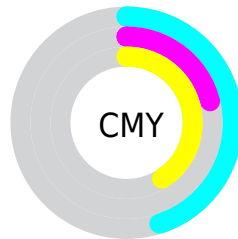
- Red (55%)
- Green (79%)
- Blue (59%)



- Red (55%)
- Yellow (76%)
- Blue (79%)



- Cyan (31%)
- Magenta (0%)
- Yellow (26%)
- Black (21%)




- Cyan (45%)
- Magenta (21%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0185, 0.3020, 0.4034 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 50.0185, 0.3020, 0.4034 by changing the saturation by 10% instead.





 50.0185, 0.3020,  
0.4034

 50.0185, 0.3020,  
0.4034


386.7383, 0.3082,  
0.3650

 35.4281, 0.3002,  
0.4134


 90.2023, 0.3044,  
0.3891

 23.9928, 0.2977,  
0.4264


 116.5645, 0.3053,  
0.3839

 15.3283, 0.2941,  
0.4441


 147.6193, 0.3060,  
0.3795

 9.0501, 0.2885,  
0.4694

183.7513, 0.3066,  
0.3757

 4.7739, 0.2789,  
0.5083

225.3448, 0.3071,  
0.3725

 2.1152, 0.2636,  
0.5834

272.7842, 0.3075,

 0.6732, 0.0000,

0.3696

1.0000

326.4539, 0.3079,  
0.3672

0.0000, 0.0000,  
0.0000

50.0185, 0.3020,  
0.4034

50.0185, 0.3020,  
0.4034

47.9158, 0.2988,  
0.4328

52.5266, 0.3054,  
0.3763

46.1912, 0.2961,  
0.4638

55.4532, 0.3090,  
0.3519

44.8239, 0.2942,  
0.4951


58.8188, 0.3125,  
0.3303


43.7883, 0.2933,  
0.5249

62.6403, 0.3159,  
0.3115


43.0555, 0.2934,  
0.5512

66.9341, 0.3190,  
0.2951

 42.5916, 0.2947,  
0.5725

 70.5114, 0.3174,  
0.2802

 42.3458, 0.2963,  
0.5867

 70.7194, 0.3151,  
0.2772

# Harmonies

## Analogous

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



50.0185, 0.3508, 0.4188



50.0185, 0.3020, 0.4034



50.0185, 0.2583, 0.3620

# Triad

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



50.0185, 0.3020, 0.4034



50.0185, 0.2369, 0.2530



50.0185, 0.4024, 0.3348

# Complementary

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



50.0185, 0.3020, 0.4034



35.1350, 0.3258, 0.2646

# 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.



50.0185, 0.3670, 0.2972



50.0185, 0.3020, 0.4034



50.0185, 0.2702, 0.2518

# Square

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



50.0185, 0.3020, 0.4034



50.0185, 0.2230, 0.2735



50.0185, 0.3175, 0.2678



50.0185, 0.4110, 0.3737



# Rectangle

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



50.0185, 0.3020, 0.4034



50.0185, 0.2374, 0.3286



50.0185, 0.3175, 0.2678



50.0185, 0.3932, 0.3217

# Sweetspot

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



50.0206, 0.3020, 0.4034



94.7247, 0.3095, 0.3484



55.4329, 0.3507, 0.4069



20.1051, 0.3090, 0.3518



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

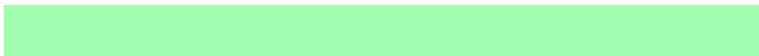


# Same Dimension

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



50.0206, 0.3020, 0.4034



82.1868, 0.2998, 0.4233



51.1272, 0.2823, 0.3589



12.5658, 0.3094, 0.3490



27.2589, 0.2959, 0.5851



1.4157, 0.2869, 0.5528



# Inverse Universe

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



35.1350, 0.3258, 0.2646



52.9109, 0.3294, 0.2503



33.9256, 0.3572, 0.3012



11.3716, 0.3162, 0.3098



9.9489, 0.3657, 0.1788



0.5217, 0.3556, 0.1732



# Previews

## White Background



This preview shows how the Yxy color 50.0185, 0.3020, 0.4034 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 50.0185, 0.3020, 0.4034 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

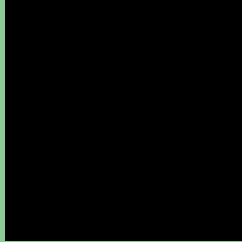
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.0185, 0.3020, 0.4034**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.0185, 0.3020, 0.4034.



This preview shows how white text looks on a background with the Yxy color 50.0185, 0.3020, 0.4034.

# 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

50.0185, 0.3020, 0.4034

### Protanopia

49.8032, 0.3594, 0.3846

### Deuteranopia

49.6080, 0.3661, 0.3593



## Tritanopia

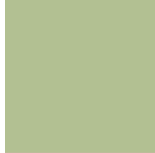
49.8160, 0.2700, 0.3079

# Trichromacy



## Original Color

50.0185, 0.3020, 0.4034



## Protanomaly

49.2396, 0.3362, 0.3905



## Deuteranomaly

48.9577, 0.3403, 0.3747



## Tritanomaly

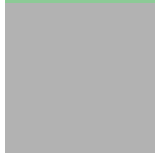
49.7664, 0.2816, 0.3412

# Monochromacy



## Original Color

50.0185, 0.3020, 0.4034



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

46.2603, 0.3082, 0.3551

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.0185, 0.3020, 0.4034 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, 202, 150)` looks like.

```
.text, #text, p{  
    color:rgb(140, 202, 150)  
}
```

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, 202, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 202, 150) }
```

## Border

The CSS property to change the border of an element to Yxy 50.0185, 0.3020, 0.4034 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, 202, 150) }
```

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

```
.border{ border-color:rgb(140, 202, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 202, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 202, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 202, 150);  
box-shadow:4px 4px 4px 4px rgb(140, 202,  
150) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.0185, 0.3020, 0.4034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 202, 150) }
```

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

```
.background{ background-color: rgb(140,  
202, 150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor