

# Converting Colors

$Yxy(51.0621, 0.3141, 0.3842)$

Have a look what the booklet for  
Yxy(51.0621, 0.3141, 0.3842)  
contains.

<b>Yxy(51.1020, 0.3140, 0.3848)</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(51.1020, 0.3140, 0.3848)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3C79E
RGB	163, 199, 158
RGB Percent	64%, 78%, 62%
CMY	0.3607, 0.2196, 0.3805
CMYK	0.18, 0.00, 0.21, 0.22
HSL	113°, 27%, 70%
HSV	113°, 21%, 78%
XYZ	41.6997, 51.1020, 39.9998
YIQ	183.5620, -8.2950, -20.3830

# Conversions

## Conversions Part 2

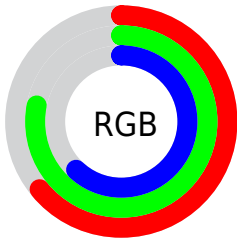
Format	Color
<a href="#">RYB</a>	<a href="#">158, 199, 194</a>
Decimal	<a href="#">10733470</a>
CIELab	<a href="#">76.74, -19.82, 16.66</a>
CIELCh	<a href="#">77, 25.888, 139.949</a>
Yxy	<a href="#">51.1020, 0.3140, 0.3848</a>
Android (android.graphics.Color)	<a href="#">4288923550 (0xFFA3C79E)</a>
YUV	<a href="#">183.5620, -12.6021, -18.0329</a>
Hunter-Lab	<a href="#">71.4857, -20.9757, 16.8642</a>

# Details

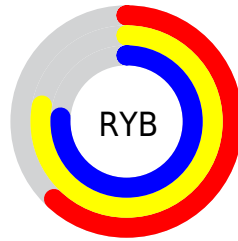
The Yxy color **51.1020, 0.3140, 0.3848** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.0311, 0.3105, 0.2776**, and the grayscale version is **47.7543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2295, 0.3137, 0.3732**, and **24.6918, 0.3135, 0.4003** is the 20% darker color. If you saturate the color by 10%, you get **48.7564, 0.3142, 0.4164**, and if you desaturate by 10%, it is **53.8172, 0.3135, 0.3561**.

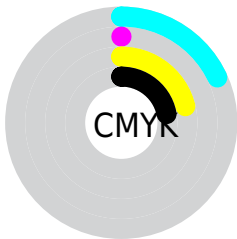
# Distribution



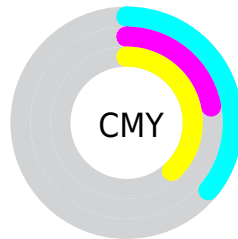
- Red (64%)
- Green (78%)
- Blue (62%)



- Red (62%)
- Yellow (78%)
- Blue (76%)



- Cyan (18%)
- Magenta (0%)
- Yellow (21%)
- Black (22%)




- Cyan (36%)
- Magenta (22%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1020, 0.3140, 0.3848 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 51.1020, 0.3140, 0.3848 by changing the saturation by 10% instead.





 51.1020, 0.3140,  
0.3848

 51.1020, 0.3140,  
0.3848


390.9599, 0.3138,  
0.3564

 36.2898, 0.3139,  
0.3920


 91.8055, 0.3141,  
0.3744

 24.6581, 0.3136,  
0.4014


 118.4656, 0.3140,  
0.3705

 15.8225, 0.3131,  
0.4139

149.8438, 0.3140,  
0.3672

 9.3986, 0.3121,  
0.4317

186.3245, 0.3140,  
0.3644

 5.0021, 0.3098,  
0.4586

228.2921, 0.3140,  
0.3620

 2.2485, 0.3044,  
0.5042

276.1309, 0.3139,


 0.7462, 0.2321,


0.3599

0.7679

330.2254, 0.3139,  
0.3581


 0.0000, 0.0000,  
0.0000


 51.1020, 0.3140,  
0.3848

 51.1020, 0.3140,  
0.3848

 48.7564, 0.3142,  
0.4164


 53.8172, 0.3135,  
0.3561


 46.7581, 0.3140,  
0.4501


 56.9102, 0.3128,  
0.3305


 45.0926, 0.3134,  
0.4847

 60.3970, 0.3119,  
0.3080

 43.7415, 0.3121,  
0.5181

 64.2909, 0.3110,  
0.2884

 42.6849, 0.3102,  
0.5481

 68.4442, 0.3118,  
0.2736

■ 41.9004, 0.3079,  
0.5722

■ 69.3282, 0.3153,  
0.2742

■ 41.3624, 0.3052,  
0.5887

■ 41.0482, 0.3030,  
0.5976

# Harmonies

## Analogous

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



51.1020, 0.3482, 0.3918



51.1020, 0.3140, 0.3848



51.1020, 0.2807, 0.3598

# Triad

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



51.1020, 0.3140, 0.3848



51.1020, 0.2541, 0.2766



51.1020, 0.3717, 0.3275

# Complementary

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



51.1020, 0.3140, 0.3848



40.0311, 0.3105, 0.2776

# 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.



51.1020, 0.3438, 0.3005



51.1020, 0.3140, 0.3848



51.1020, 0.2758, 0.2717

# Square

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



51.1020, 0.3140, 0.3848



51.1020, 0.2473, 0.2956



51.1020, 0.3083, 0.2805



51.1020, 0.3828, 0.3563



# Rectangle

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



51.1020, 0.3140, 0.3848



51.1020, 0.2633, 0.3375



51.1020, 0.3083, 0.2805



51.1020, 0.3639, 0.3180

# Sweetspot

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



51.1042, 0.3140, 0.3848



96.5968, 0.3132, 0.3441



52.9857, 0.3447, 0.3735



20.5996, 0.3132, 0.3458



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

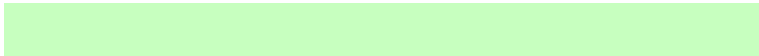


# Same Dimension

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



51.1042, 0.3140, 0.3848



87.4471, 0.3141, 0.3995



51.1321, 0.2996, 0.3642



11.9493, 0.3134, 0.3527



26.4149, 0.3035, 0.5972



1.2720, 0.3135, 0.5893



# Inverse Universe

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



40.0311, 0.3105, 0.2776



64.3939, 0.3097, 0.2654



40.0453, 0.3286, 0.2962



10.7479, 0.3118, 0.3061



8.5026, 0.2904, 0.1373



0.4217, 0.2971, 0.1410



# Previews

## White Background



This preview shows how the Yxy color 51.1020, 0.3140, 0.3848 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 51.1020, 0.3140, 0.3848 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

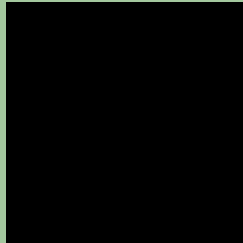
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.1020, 0.3140, 0.3848**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.1020, 0.3140, 0.3848.



This preview shows how white text looks on a background with the Yxy color 51.1020, 0.3140, 0.3848.

# 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

51.1020, 0.3140, 0.3848

### Protanopia

50.9745, 0.3507, 0.3743

### Deuteranopia

50.8162, 0.3603, 0.3530



## Tritanopia

50.9113, 0.2851, 0.3086

# Trichromacy



## Original Color

51.1020, 0.3140, 0.3848

## Protanomaly

51.0713, 0.3368, 0.3782

## Deuteranomaly

50.4100, 0.3418, 0.3632

## Tritanomaly

51.0727, 0.2953, 0.3355

# Monochromacy



## Original Color

51.1020, 0.3140, 0.3848

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

48.7204, 0.3127, 0.3475

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.1020, 0.3140, 0.3848 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(163, 199, 158)` looks like.

```
.text, #text, p{  
    color:rgb(163, 199, 158)  
}
```

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(163, 199, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 199, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 51.1020, 0.3140, 0.3848 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(163, 199, 158) }
```

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

```
.border{ border-color:rgb(163, 199, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 199, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 199, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 199, 158);  
box-shadow:4px 4px 4px 4px rgb(163, 199,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.1020, 0.3140, 0.3848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 199, 158) }
```

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

```
.background{ background-color: rgb(163,  
199, 158) }
```

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