

# Converting Colors

Yxy(52.1057, 0.3123, 0.3667)

Have a look what the booklet for  
Yxy(52.1057, 0.3123, 0.3667)  
contains.

<b>Yxy(51.9484, 0.3118, 0.3660)</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(51.9484, 0.3118, 0.3660)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABC6AA
RGB	171, 198, 170
RGB Percent	67%, 78%, 67%
CMY	0.3292, 0.2236, 0.3333
CMYK	0.14, 0.00, 0.14, 0.22
HSL	118°, 20%, 72%
HSV	118°, 14%, 78%
XYZ	44.2555, 51.9484, 45.7316
YIQ	186.7350, -7.1040, -14.4320

# Conversions

## Conversions Part 2

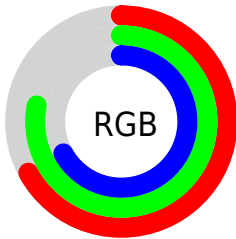
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 198, 197
Decimal	11257514
CIELab	77.25, -14.40, 11.00
CIELCh	77, 18.121, 142.636
Yxy	51.9484, 0.3118, 0.3660
Android (android.graphics.Color)	4289447594 (0xFFABC6AA)
YUV	186.7350, -8.2504, -13.7996
Hunter-Lab	72.0752, -16.5295, 12.8333

# Details

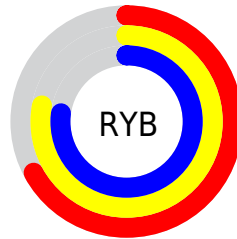
The Yxy color **51.9484, 0.3118, 0.3660** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.6942, 0.3134, 0.2944**, and the grayscale version is **49.5947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2871, 0.3125, 0.3598**, and **25.1765, 0.3115, 0.3762** is the 20% darker color. If you saturate the color by 10%, you get **49.2677, 0.3109, 0.3962**, and if you desaturate by 10%, it is **55.0550, 0.3125, 0.3391**.

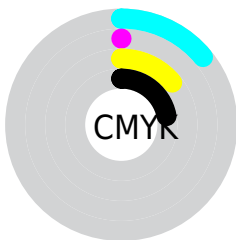
# Distribution



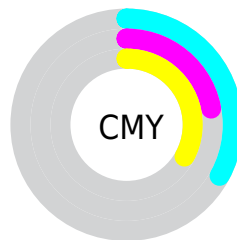
- Red (67%)
- Green (78%)
- Blue (67%)



- Red (67%)
- Yellow (78%)
- Blue (77%)



- Cyan (14%)
- Magenta (0%)
- Yellow (14%)
- Black (22%)



- Cyan (33%)
- Magenta (22%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.9484, 0.3118, 0.3660 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 51.9484, 0.3118, 0.3660 by changing the saturation by 10% instead.




 51.9484, 0.3118,  
0.3660

 51.9484, 0.3118,  
0.3660


394.2374, 0.3125,  
0.3474

 36.9639, 0.3116,  
0.3707


 93.0551, 0.3121,  
0.3592

 25.1796, 0.3112,  
0.3767


119.9462, 0.3122,  
0.3567

 16.2109, 0.3107,  
0.3847


151.5749, 0.3123,  
0.3545

 9.6735, 0.3099,  
0.3960

188.3257, 0.3123,  
0.3527

 5.1830, 0.3084,  
0.4130

230.5830, 0.3124,  
0.3511

 2.3550, 0.3052,  
0.4412

278.7311, 0.3124,

 0.8026, 0.3118,

0.3497

0.6085

333.1544, 0.3124,  
0.3485

■ 0.0000, 0.0000,  
0.0000

■ 51.9484, 0.3118,  
0.3660

■ 51.9484, 0.3118,  
0.3660

■ 49.2677, 0.3109,  
0.3962

■ 55.0550, 0.3125,  
0.3391

■ 46.9881, 0.3099,  
0.4293

■ 58.5978, 0.3130,  
0.3156

■ 45.0922, 0.3086,  
0.4643

■ 62.5953, 0.3134,  
0.2952

■ 43.5590, 0.3071,  
0.4996

■ 67.0627, 0.3137,  
0.2776

■ 42.3653, 0.3055,  
0.5328

■ 68.8627, 0.3153,  
0.2732

■ 41.4854, 0.3039,  
0.5611

■ 40.8896, 0.3024,  
0.5823

■ 40.5429, 0.3011,  
0.5950

■ 40.4306, 0.3007,  
0.5994

# Harmonies

## Analogous

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



51.9484, 0.3359, 0.3724



51.9484, 0.3118, 0.3660



51.9484, 0.2886, 0.3483

# Triad

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



51.9484, 0.3118, 0.3660



51.9484, 0.2723, 0.2915



51.9484, 0.3548, 0.3303

# Complementary

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



51.9484, 0.3118, 0.3660



44.6942, 0.3134, 0.2944

# 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.



51.9484, 0.3365, 0.3105



51.9484, 0.3118, 0.3660



51.9484, 0.2887, 0.2885

# Square

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



51.9484, 0.3118, 0.3660



51.9484, 0.2664, 0.3046



51.9484, 0.3121, 0.2955



51.9484, 0.3613, 0.3506



# Rectangle

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



51.9484, 0.3118, 0.3660



51.9484, 0.2767, 0.3331



51.9484, 0.3121, 0.2955



51.9484, 0.3498, 0.3234

# Sweetspot

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



51.9506, 0.3118, 0.3660



97.5456, 0.3125, 0.3389



54.6533, 0.3339, 0.3619



20.7831, 0.3124, 0.3409



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

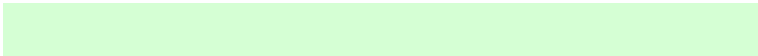


# Same Dimension

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



51.9506, 0.3118, 0.3660



90.4430, 0.3115, 0.3751



52.3329, 0.3020, 0.3491



11.9065, 0.3121, 0.3528



26.3049, 0.3009, 0.5993



1.2523, 0.3042, 0.5966



# Inverse Universe

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



44.6942, 0.3134, 0.2944



75.0855, 0.3135, 0.2866



44.2791, 0.3250, 0.3097



10.7956, 0.3132, 0.3062



9.8283, 0.3117, 0.1491



0.4718, 0.3137, 0.1502



# Previews

## White Background



This preview shows how the Yxy color 51.9484, 0.3118, 0.3660 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

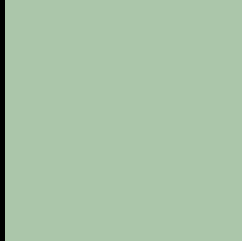
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.9484, 0.3118, 0.3660 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

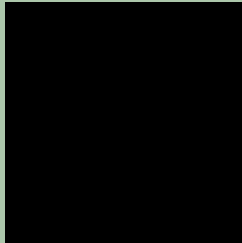
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.9484, 0.3118, 0.3660**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.9484, 0.3118, 0.3660.



This preview shows how white text looks on a background with the Yxy color 51.9484, 0.3118, 0.3660.

# 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

51.9484, 0.3118, 0.3660

### Protanopia

51.7222, 0.3391, 0.3590

### Deuteranopia

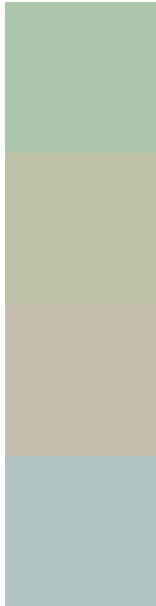
51.7452, 0.3486, 0.3422



## Tritanopia

52.0411, 0.2896, 0.3102

# Trichromacy



## Original Color

51.9484, 0.3118, 0.3660

## Protanomaly

51.7488, 0.3292, 0.3623

## Deuteranomaly

51.5159, 0.3345, 0.3502

## Tritanomaly

52.0392, 0.2978, 0.3302

# Monochromacy



## Original Color

51.9484, 0.3118, 0.3660

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

50.4216, 0.3121, 0.3419

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.9484, 0.3118, 0.3660 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(171, 198, 170)` looks like.

```
.text, #text, p{  
    color:rgb(171, 198, 170)  
}
```

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(171, 198, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 198, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 51.9484, 0.3118, 0.3660 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(171, 198, 170) }
```

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

```
.border{ border-color:rgb(171, 198, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 198, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 198, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 198, 170);  
box-shadow:4px 4px 4px 4px rgb(171, 198,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.9484, 0.3118, 0.3660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 198, 170) }
```

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

```
.background{ background-color: rgb(171,  
198, 170) }
```

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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