

# Converting Colors

Yxy(51.3969, 0.3306, 0.4053)

Have a look what the booklet for  
Yxy(51.3969, 0.3306, 0.4053)  
contains.

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# Color

**Yxy(51.3459, 0.3310, 0.4058)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AAC78E
RGB	170, 199, 142
RGB Percent	67%, 78%, 56%
CMY	0.3334, 0.2196, 0.4430
CMYK	0.15, 0.00, 0.29, 0.22
HSL	91°, 34%, 67%
HSV	91°, 29%, 78%
XYZ	41.8815, 51.3459, 33.3027
YIQ	183.8310, 1.0130, -23.8750

# Conversions

## Conversions Part 2

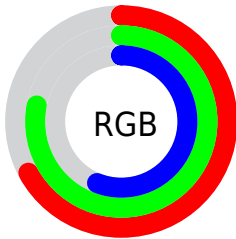
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 199, 171
Decimal	11192206
CIELab	76.89, -19.90, 25.40
CIElCh	77, 32.267, 128.078
Yxy	51.3459, 0.3310, 0.4058
Android (android.graphics.Color)	4289382286 (0xFFAAC78E)
YUV	183.8310, -20.6227, -12.1298
Hunter-Lab	71.6561, -21.0686, 22.6037

# Details

The Yxy color **51.3459, 0.3310, 0.4058** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.1403, 0.2892, 0.2526**, and the grayscale version is **47.9503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6743, 0.3286, 0.3907**, and **24.7880, 0.3348, 0.4289** is the 20% darker color. If you saturate the color by 10%, you get **49.7162, 0.3365, 0.4355**, and if you desaturate by 10%, it is **53.1739, 0.3248, 0.3772**.

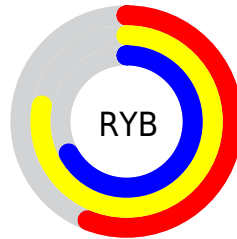
# Distribution



Red (67%)

Green (78%)

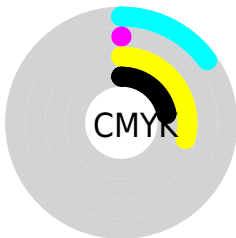
Blue (56%)



Red (56%)

Yellow (78%)

Blue (67%)

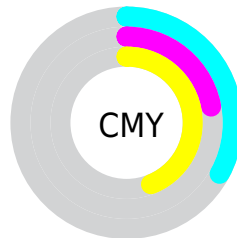


Cyan (15%)

Magenta (0%)

Yellow (29%)

Black (22%)



Cyan (33%)

Magenta (22%)


Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3459, 0.3310, 0.4058 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 51.3459, 0.3310, 0.4058 by changing the saturation by 10% instead.





 51.3459, 0.3310,  
0.4058

 51.3459, 0.3310,  
0.4058


391.9062, 0.3228,  
0.3668

 36.4840, 0.3327,  
0.4157


 92.1659, 0.3283,  
0.3915

 24.8082, 0.3346,  
0.4284


 118.8927, 0.3272,  
0.3862

 15.9342, 0.3368,  
0.4454


 150.3433, 0.3262,  
0.3817

 9.4776, 0.3390,  
0.4691

186.9020, 0.3254,  
0.3778

 5.0540, 0.3405,  
0.5042

228.9532, 0.3247,  
0.3745

 2.2790, 0.3515,  
0.5821

276.8814, 0.3240,

 0.7626, 0.2386,

0.3716

0.7614

331.0709, 0.3234,  
0.3690

0.0000, 0.0000,  
0.0000

51.3459, 0.3310,  
0.4058

51.3459, 0.3310,  
0.4058

49.7162, 0.3365,  
0.4355

53.1739, 0.3248,  
0.3772

48.2704, 0.3409,  
0.4654

55.2008, 0.3184,  
0.3504

47.0027, 0.3439,  
0.4942


57.4353, 0.3118,  
0.3258


45.9040, 0.3449,  
0.5204


59.8840, 0.3054,  
0.3034


44.9643, 0.3439,  
0.5425


62.5529, 0.2993,  
0.2832

 44.1721, 0.3406,  
0.5593

 65.0270, 0.2976,  
0.2712

 43.5103, 0.3357,  
0.5708

 66.7611, 0.3050,  
0.2724

 43.4270, 0.3350,  
0.5722

 68.5945, 0.3124,  
0.2737

 69.3306, 0.3153,  
0.2742

# Harmonies

## Analogous

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



51.3459, 0.3708, 0.4037



51.3459, 0.3310, 0.4058



51.3459, 0.2880, 0.3826

# Triad

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



51.3459, 0.3310, 0.4058



51.3459, 0.2352, 0.2712



51.3459, 0.3745, 0.3129

# Complementary

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



51.3459, 0.3310, 0.4058



32.1403, 0.2892, 0.2526

# 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.



51.3459, 0.3339, 0.2830



51.3459, 0.3310, 0.4058



51.3459, 0.2546, 0.2589

# Square

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



51.3459, 0.3310, 0.4058



51.3459, 0.2346, 0.3005



51.3459, 0.2899, 0.2637



51.3459, 0.3977, 0.3479



# Rectangle

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



51.3459, 0.3310, 0.4058



51.3459, 0.2633, 0.3564



51.3459, 0.2899, 0.2637



51.3459, 0.3623, 0.3021

# Sweetspot

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



51.3481, 0.3310, 0.4058



96.4588, 0.3187, 0.3517



43.0400, 0.3649, 0.3660



20.5298, 0.3197, 0.3556



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

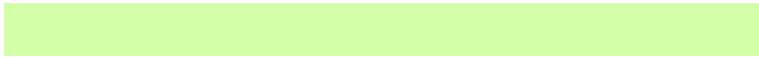


# Same Dimension

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



51.3481, 0.3310, 0.4058



88.1830, 0.3343, 0.4231



48.5571, 0.3089, 0.4112



12.1390, 0.3189, 0.3524



27.9739, 0.3360, 0.5714



1.3676, 0.3522, 0.5586



# Inverse Universe

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



32.1403, 0.2892, 0.2526



49.4023, 0.2831, 0.2355



35.6199, 0.3160, 0.2585



10.5486, 0.3061, 0.3057



4.4966, 0.2051, 0.0903



0.2559, 0.2279, 0.1029



# Previews

## White Background



This preview shows how the Yxy color 51.3459, 0.3310, 0.4058 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 51.3459, 0.3310, 0.4058 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

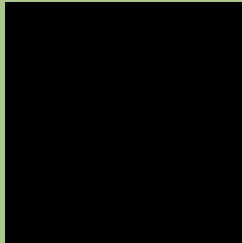
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.3459, 0.3310, 0.4058**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.3459, 0.3310, 0.4058.



This preview shows how white text looks on a background with the Yxy color 51.3459, 0.3310, 0.4058.

# 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

51.3459, 0.3310, 0.4058

### Protanopia

51.0675, 0.3664, 0.3924

### Deuteranopia

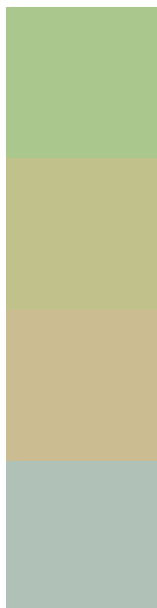
51.0608, 0.3787, 0.3716



## Tritanopia

51.3015, 0.2924, 0.3101

# Trichromacy



## Original Color

51.3459, 0.3310, 0.4058

## Protanomaly

51.2105, 0.3536, 0.3982

## Deuteranomaly

50.7073, 0.3602, 0.3827

## Tritanomaly

51.2326, 0.3065, 0.3433

# Monochromacy



## Original Color

51.3459, 0.3310, 0.4058

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

48.8435, 0.3198, 0.3554

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.3459, 0.3310, 0.4058 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(170, 199, 142)` looks like.

```
.text, #text, p{  
    color:rgb(170, 199, 142)  
}
```

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(170, 199, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 199, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 51.3459, 0.3310, 0.4058 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(170, 199, 142) }
```

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

```
.border{ border-color:rgb(170, 199, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 199, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 199, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 199, 142);  
box-shadow:4px 4px 4px 4px rgb(170, 199,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.3459, 0.3310, 0.4058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 199, 142) }
```

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

```
.background{ background-color: rgb(170,  
199, 142) }
```

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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