

# Converting Colors

$Yxy(52.2056, 0.3080, 0.3953)$

Have a look what the booklet for  
Yxy(52.2056, 0.3080, 0.3953)  
contains.

<b>Yxy(52.3583, 0.3074, 0.3952)</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(52.3583, 0.3074, 0.3952)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99CC9C
RGB	153, 204, 156
RGB Percent	60%, 80%, 61%
CMY	0.4001, 0.2000, 0.3883
CMYK	0.25, 0.00, 0.24, 0.20
HSL	124°, 33%, 70%
HSV	124°, 25%, 80%
XYZ	40.7261, 52.3583, 39.4012
YIQ	183.2790, -14.9880, -25.7400

# Conversions

## Conversions Part 2

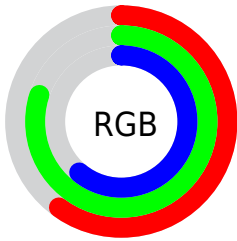
Format	Color
<a href="#">RYB</a>	<a href="#">153, 201, 204</a>
Decimal	<a href="#">10079388</a>
CIELab	<a href="#">77.49, -26.05, 18.68</a>
CIELCh	<a href="#">77, 32.050, 144.358</a>
Yxy	<a href="#">52.3583, 0.3074, 0.3952</a>
Android (android.graphics.Color)	<a href="#">4288269468 (0xFF99CC9C)</a>
YUV	<a href="#">183.2790, -13.4485, -26.5547</a>
Hunter-Lab	<a href="#">72.3590, -26.1626, 18.3665</a>

# Details

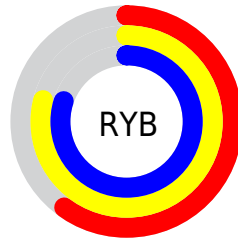
The Yxy color **52.3583, 0.3074, 0.3952** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.8330, 0.3183, 0.2707**, and the grayscale version is **47.5945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6330, 0.3087, 0.3763**, and **25.5993, 0.3049, 0.4147** is the 20% darker color. If you saturate the color by 10%, you get **49.9426, 0.3052, 0.4269**, and if you desaturate by 10%, it is **55.2206, 0.3096, 0.3663**.

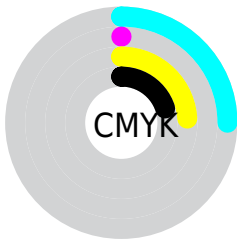
# Distribution



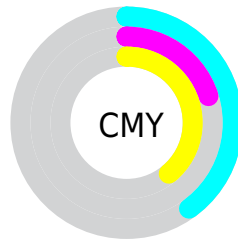
- Red (60%)
- Green (80%)
- Blue (61%)



- Red (60%)
- Yellow (79%)
- Blue (80%)



- Cyan (25%)
- Magenta (0%)
- Yellow (24%)
- Black (20%)




- Cyan (40%)
- Magenta (20%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3583, 0.3074, 0.3952 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 52.3583, 0.3074, 0.3952 by changing the saturation by 10% instead.




 52.3583, 0.3074,  
0.3952


 52.3583, 0.3074,  
0.3952

395.8183, 0.3107,  
0.3614

 37.2907, 0.3064,  
0.4038


 93.6594, 0.3087,  
0.3828

 25.4327, 0.3049,  
0.4150


 120.6618, 0.3092,  
0.3782

 16.3997, 0.3028,  
0.4300

152.4113, 0.3096,  
0.3743

 9.8074, 0.2994,  
0.4513

189.2922, 0.3099,  
0.3710

 5.2715, 0.2934,  
0.4836

231.6889, 0.3101,  
0.3681

 2.4074, 0.2818,  
0.5385

279.9859, 0.3104,

 0.8297, 0.1555,

0.3656

0.8445

334.5676, 0.3105,  
0.3634

0.0000, 0.0000,  
0.0000

52.3583, 0.3074,  
0.3952

52.3583, 0.3074,  
0.3952

49.9426, 0.3052,  
0.4269

55.2206, 0.3096,  
0.3663

47.9448, 0.3031,  
0.4606

58.5435, 0.3117,  
0.3407

46.3432, 0.3012,  
0.4948

62.3484, 0.3137,  
0.3182

45.1113, 0.2997,  
0.5274

66.6534, 0.3155,  
0.2987

44.2195, 0.2989,  
0.5559

71.4758, 0.3171,  
0.2819

■ 43.6336, 0.2986,  
0.5780

■ 71.6705, 0.3151,  
0.2792

■ 43.3123, 0.2990,  
0.5923

■ 43.2170, 0.2991,  
0.5967

# Harmonies

## Analogous

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



52.3583, 0.3499, 0.4069



52.3583, 0.3074, 0.3952



52.3583, 0.2681, 0.3612

# Triad

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



52.3583, 0.3074, 0.3952



52.3583, 0.2443, 0.2632



52.3583, 0.3889, 0.3317

# Complementary

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



52.3583, 0.3074, 0.3952



39.8330, 0.3183, 0.2707

# 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.



52.3583, 0.3567, 0.2986



52.3583, 0.3074, 0.3952



52.3583, 0.2726, 0.2603

# Square

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



52.3583, 0.3074, 0.3952



52.3583, 0.2335, 0.2832



52.3583, 0.3134, 0.2732



52.3583, 0.3988, 0.3662



# Rectangle

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



52.3583, 0.3074, 0.3952



52.3583, 0.2487, 0.3328



52.3583, 0.3134, 0.2732



52.3583, 0.3802, 0.3202

# Sweetspot

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



52.3605, 0.3074, 0.3952



95.1585, 0.3111, 0.3482



57.9709, 0.3480, 0.3914



20.1854, 0.3108, 0.3521



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

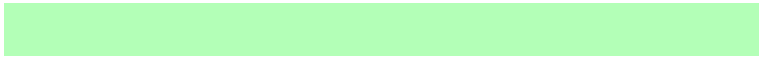


# Same Dimension

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



52.3605, 0.3074, 0.3952



84.4627, 0.3062, 0.4119



53.2991, 0.2908, 0.3598



12.5475, 0.3108, 0.3515



27.2030, 0.2988, 0.5958



1.4072, 0.2949, 0.5817



# Inverse Universe

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



39.8330, 0.3183, 0.2707



60.2343, 0.3196, 0.2581



38.7476, 0.3419, 0.3002



11.3919, 0.3147, 0.3075



10.4810, 0.3361, 0.1625

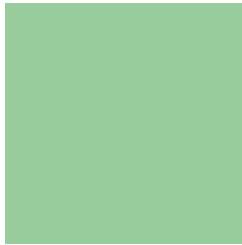


0.5442, 0.3328, 0.1607



# Previews

## White Background



This preview shows how the Yxy color 52.3583, 0.3074, 0.3952 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

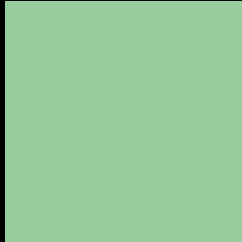
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.3583, 0.3074, 0.3952 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

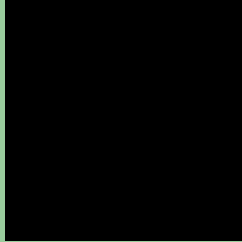
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.3583, 0.3074, 0.3952**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.3583, 0.3074, 0.3952.



This preview shows how white text looks on a background with the Yxy color 52.3583, 0.3074, 0.3952.

# 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

52.3583, 0.3074, 0.3952

### Protanopia

52.1601, 0.3552, 0.3800

### Deuteranopia

52.0347, 0.3642, 0.3575



## Tritanopia

52.4725, 0.2772, 0.3098

# Trichromacy



**Original Color**

52.3583, 0.3074, 0.3952

**Protanomaly**

52.0611, 0.3368, 0.3861

**Deuteranomaly**

51.5006, 0.3419, 0.3695

**Tritanomaly**

52.4853, 0.2876, 0.3395

# Monochromacy



**Original Color**

52.3583, 0.3074, 0.3952

**Achromatopsia**

47.3531, 0.3127, 0.3290

**Achromatomaly**

49.0494, 0.3108, 0.3530

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.3583, 0.3074, 0.3952 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(153, 204, 156)` looks like.

```
.text, #text, p{  
    color:rgb(153, 204, 156)  
}
```

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(153, 204, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 204, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 52.3583, 0.3074, 0.3952 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(153, 204, 156) }
```

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

```
.border{ border-color:rgb(153, 204, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 204, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 204, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 204, 156); box-shadow:4px 4px 4px 4px rgb(153, 204, 156) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.3583, 0.3074, 0.3952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 204, 156) }
```

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

```
.background{ background-color: rgb(153,  
204, 156) }
```

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