

# Converting Colors

Yxy(51.8414, 0.3037, 0.4171)

Have a look what the booklet for  
Yxy(51.8414, 0.3037, 0.4171)  
contains.

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# Color

**Yxy(52.0733, 0.3037, 0.4172)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8ACF91
RGB	138, 207, 145
RGB Percent	54%, 81%, 57%
CMY	0.4587, 0.1882, 0.4314
CMYK	0.33, 0.00, 0.30, 0.19
HSL	126°, 42%, 68%
HSV	126°, 33%, 81%
XYZ	37.9067, 52.0733, 34.8362
YIQ	179.3010, -21.2220, -33.9100

# Conversions

## Conversions Part 2

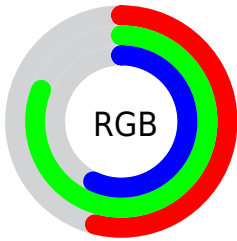
<b>Format</b>	<b>Color</b>
<b>RYB</b>	138, 201, 207
Decimal	9097105
CIELab	77.32, -34.22, 24.11
CIELCh	77, 41.864, 144.828
Yxy	52.0733, 0.3037, 0.4172
Android (android.graphics.Color)	4287287185 (0xFF8ACF91)
YUV	179.3010, -16.9104, -36.2210
Hunter-Lab	72.1618, -32.5170, 21.8910

# Details

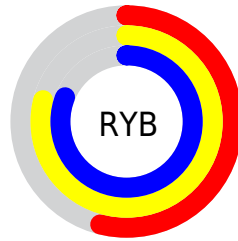
The Yxy color **52.0733, 0.3037, 0.4172** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.6205, 0.3232, 0.2544**, and the grayscale version is **45.3516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9810, 0.3062, 0.3913**, and **25.1959, 0.2995, 0.4440** is the 20% darker color. If you saturate the color by 10%, you get **49.9468, 0.3012, 0.4493**, and if you desaturate by 10%, it is **54.6347, 0.3064, 0.3873**.

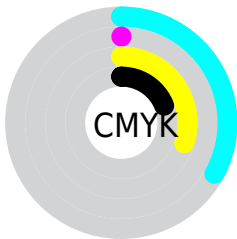
# Distribution



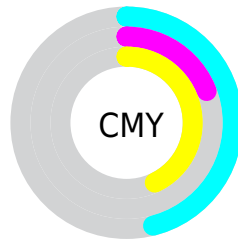
- Red (54%)
- Green (81%)
- Blue (57%)



- Red (54%)
- Yellow (79%)
- Blue (81%)



- Cyan (33%)
- Magenta (0%)
- Yellow (30%)
- Black (19%)




- Cyan (46%)
- Magenta (19%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0733, 0.3037, 0.4172 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 52.0733, 0.3037, 0.4172 by changing the saturation by 10% instead.




 52.0733, 0.3037,  
0.4172


 52.0733, 0.3037,  
0.4172


394.7195, 0.3093,  
0.3717


 37.0635, 0.3019,  
0.4290

 93.2393, 0.3060,  
0.4004

 25.2567, 0.2994,  
0.4442


 120.1644, 0.3068,  
0.3941

 16.2684, 0.2957,  
0.4649


 151.8299, 0.3074,  
0.3889

 9.7143, 0.2897,  
0.4943

188.6204, 0.3080,  
0.3844

 5.2099, 0.2790,  
0.5388

230.9202, 0.3084,  
0.3806

 2.3710, 0.2643,  
0.6290

279.1137, 0.3088,

 0.8109, 0.0000,

0.3772

1.0000

333.5854, 0.3091,  
0.3743

■ 0.0000, 0.0000,  
0.0000

■ 52.0733, 0.3037,  
0.4172

■ 52.0733, 0.3037,  
0.4172

■ 49.9468, 0.3012,  
0.4493

■ 54.6347, 0.3064,  
0.3873

■ 48.2248, 0.2990,  
0.4824

■ 57.6464, 0.3092,  
0.3603

■ 46.8836, 0.2975,  
0.5147

■ 61.1310, 0.3118,  
0.3363

■ 45.8940, 0.2967,  
0.5441

■ 65.1076, 0.3144,  
0.3153

■ 45.2228, 0.2967,  
0.5684

■ 69.5944, 0.3168,  
0.2971

■ 44.8300, 0.2976,  
0.5859

■ 73.1064, 0.3149,  
0.2821

■ 44.6802, 0.2982,  
0.5936

# Harmonies

## Analogous

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



52.0733, 0.3588, 0.4317



52.0733, 0.3037, 0.4172



52.0733, 0.2537, 0.3706

# Triad

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



52.0733, 0.3037, 0.4172



52.0733, 0.2255, 0.2441



52.0733, 0.4132, 0.3316

# Complementary

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



52.0733, 0.3037, 0.4172



35.6205, 0.3232, 0.2544

# 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.



52.0733, 0.3709, 0.2903



52.0733, 0.3037, 0.4172



52.0733, 0.2612, 0.2417

# Square

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



52.0733, 0.3037, 0.4172



52.0733, 0.2116, 0.2680



52.0733, 0.3138, 0.2584



52.0733, 0.4250, 0.3755



# Rectangle

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



52.0733, 0.3037, 0.4172



52.0733, 0.2295, 0.3319



52.0733, 0.3138, 0.2584



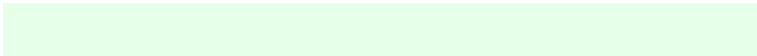
52.0733, 0.4019, 0.3172

# Sweetspot

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



52.0755, 0.3037, 0.4172



94.0909, 0.3100, 0.3523



58.7556, 0.3568, 0.4131



19.9752, 0.3096, 0.3558



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

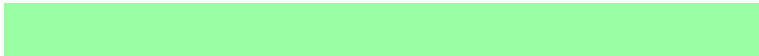


# Same Dimension

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



52.0755, 0.3037, 0.4172



80.9475, 0.3019, 0.4400



53.3028, 0.2821, 0.3669



13.2254, 0.3102, 0.3505



28.1566, 0.2979, 0.5923



1.5811, 0.2919, 0.5707



# Inverse Universe

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



35.6205, 0.3232, 0.2544



50.6166, 0.3259, 0.2388



34.1878, 0.3588, 0.2943



11.9876, 0.3153, 0.3084



10.6019, 0.3479, 0.1690



0.5989, 0.3423, 0.1660



# Previews

## White Background



This preview shows how the Yxy color 52.0733, 0.3037, 0.4172 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 52.0733, 0.3037, 0.4172 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

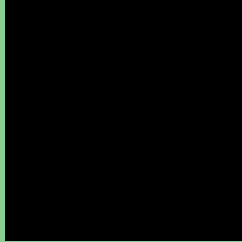
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.0733, 0.3037, 0.4172**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.0733, 0.3037, 0.4172.



This preview shows how white text looks on a background with the Yxy color 52.0733, 0.3037, 0.4172.

# 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

52.0733, 0.3037, 0.4172

### Protanopia

51.6122, 0.3677, 0.3946

### Deuteranopia

51.5986, 0.3749, 0.3680



## Tritanopia

51.8225, 0.2682, 0.3082

# Trichromacy



## Original Color

52.0733, 0.3037, 0.4172



## Protanomaly

51.1971, 0.3424, 0.4027



## Deuteranomaly

50.9138, 0.3460, 0.3856



## Tritanomaly

51.5584, 0.2807, 0.3452

# Monochromacy



## Original Color

52.0733, 0.3037, 0.4172



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

47.0777, 0.3089, 0.3592

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.0733, 0.3037, 0.4172 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(138, 207, 145)` looks like.

```
.text, #text, p{  
    color:rgb(138, 207, 145)  
}
```

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(138, 207, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 207, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 52.0733, 0.3037, 0.4172 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(138, 207, 145) }
```

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

```
.border{ border-color:rgb(138, 207, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 207, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 207, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 207, 145);  
box-shadow:4px 4px 4px 4px rgb(138, 207,  
145) }
```



# Background

The CSS property to change the background color of an element to  $Yxy$  52.0733, 0.3037, 0.4172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 207, 145) }
```

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

```
.background{ background-color: rgb(138,  
207, 145) }
```

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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