

# Converting Colors

Yxy(52.7537, 0.3414, 0.4103)

Have a look what the booklet for  
Yxy(52.7537, 0.3414, 0.4103)  
contains.

<b>Yxy(52.7272, 0.3412, 0.4104)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(52.7272, 0.3412, 0.4104)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B3C88A
RGB	179, 200, 138
RGB Percent	70%, 78%, 54%
CMY	0.2979, 0.2157, 0.4588
CMYK	0.10, 0.00, 0.31, 0.22
HSL	80°, 36%, 66%
HSV	80°, 31%, 78%
XYZ	43.8366, 52.7272, 31.9138
YIQ	186.6530, 7.3860, -23.7340

# Conversions

## Conversions Part 2

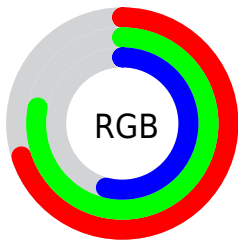
Format	Color
<a href="#">RYB</a>	138, 200, 159
Decimal	11782282
CIELab	77.71, -17.63, 28.72
CIELCh	78, 33.701, 121.539
Yxy	52.7272, 0.3412, 0.4104
Android (android.graphics.Color)	4289972362 (0xFFB3C88A)
YUV	186.6530, -23.9859, -6.7117
Hunter-Lab	72.6135, -19.3137, 24.7713

# Details

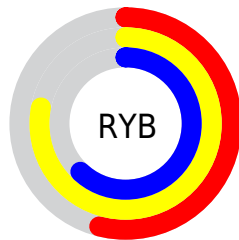
The Yxy color **52.7272, 0.3412, 0.4104** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.7182, 0.2768, 0.2433**, and the grayscale version is **49.6263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.9879, 0.3368, 0.3938**, and **25.6059, 0.3471, 0.4344** is the 20% darker color. If you saturate the color by 10%, you get **51.4157, 0.3494, 0.4383**, and if you desaturate by 10%, it is **54.1895, 0.3322, 0.3828**.

# Distribution



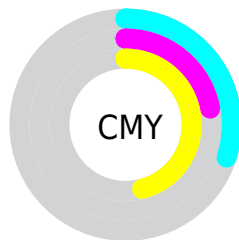
- Red (70%)
- Green (78%)
- Blue (54%)



- Red (54%)
- Yellow (78%)
- Blue (62%)



- Cyan (10%)
- Magenta (0%)
- Yellow (31%)
- Black (22%)




- Cyan (30%)
- Magenta (22%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.7272, 0.3412, 0.4104 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 52.7272, 0.3412, 0.4104 by changing the saturation by 10% instead.





 52.7272, 0.3412,  
0.4104


 52.7272, 0.3412,  
0.4104

397.2376, 0.3282,  
0.3694


 37.5850, 0.3440,  
0.4206


 94.2028, 0.3368,  
0.3955

 25.6608, 0.3473,  
0.4337


 121.3051, 0.3350,  
0.3899

 16.5700, 0.3513,  
0.4510


 153.1628, 0.3335,  
0.3852

 9.9284, 0.3557,  
0.4746

190.1604, 0.3322,  
0.3811

 5.3515, 0.3601,  
0.5086

232.6823, 0.3310,  
0.3776

 2.4550, 0.3801,  
0.5894

281.1129, 0.3299,

 0.8539, 0.3087,

0.3745

0.6913

335.8365, 0.3290,  
0.3718

0.0000, 0.0000,  
0.0000

52.7272, 0.3412,  
0.4104

52.7272, 0.3412,  
0.4104

51.4157, 0.3494,  
0.4383

54.1895, 0.3322,  
0.3828

50.2418, 0.3565,  
0.4654

55.8018, 0.3229,  
0.3563

49.2007, 0.3618,  
0.4907


57.5718, 0.3136,  
0.3314


48.2846, 0.3649,  
0.5128


59.5049, 0.3046,  
0.3083

47.4848, 0.3656,  
0.5307


61.6061, 0.2959,  
0.2872


 46.7909, 0.3639,  
0.5437

 63.6849, 0.2897,  
0.2709

 46.2400, 0.3607,  
0.5518

 64.7598, 0.2945,  
0.2717

 65.8780, 0.2993,  
0.2725

 67.0398, 0.3042,  
0.2733

# Harmonies

## Analogous

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



52.7272, 0.3801, 0.4026



52.7272, 0.3412, 0.4104



52.7272, 0.2964, 0.3919

# Triad

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



52.7272, 0.3412, 0.4104



52.7272, 0.2308, 0.2743



52.7272, 0.3686, 0.3049

# Complementary

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



52.7272, 0.3412, 0.4104



29.7182, 0.2768, 0.2433

# 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.



52.7272, 0.3245, 0.2761



52.7272, 0.3412, 0.4104



52.7272, 0.2467, 0.2578

# Square

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



52.7272, 0.3412, 0.4104



52.7272, 0.2346, 0.3079



52.7272, 0.2800, 0.2591



52.7272, 0.3976, 0.3404



# Rectangle

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



52.7272, 0.3412, 0.4104



52.7272, 0.2693, 0.3669



52.7272, 0.2800, 0.2591



52.7272, 0.3548, 0.2943

# Sweetspot

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



52.7295, 0.3412, 0.4104



97.1660, 0.3212, 0.3515



38.7976, 0.3741, 0.3562



20.7041, 0.3226, 0.3553



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.



52.7295, 0.3412, 0.4104



89.7812, 0.3467, 0.4286



49.4705, 0.3163, 0.4171



12.2304, 0.3214, 0.3522



29.4526, 0.3615, 0.5512



1.4332, 0.3738, 0.5414



# Inverse Universe

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



29.7182, 0.2768, 0.2433



43.8689, 0.2674, 0.2229



33.2534, 0.3061, 0.2503



10.4589, 0.3035, 0.3055



3.4699, 0.1761, 0.0744



0.2043, 0.2002, 0.0876



# Previews

## White Background



This preview shows how the Yxy color 52.7272, 0.3412, 0.4104 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 52.7272, 0.3412, 0.4104 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

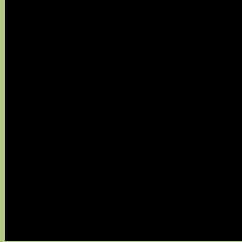
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.7272, 0.3412, 0.4104**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.7272, 0.3412, 0.4104.



This preview shows how white text looks on a background with the Yxy color 52.7272, 0.3412, 0.4104.

# 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

52.7272, 0.3412, 0.4104

### Protanopia

52.6859, 0.3711, 0.4000

### Deuteranopia

52.5350, 0.3867, 0.3788



## Tritanopia

52.4092, 0.2993, 0.3105

# Trichromacy



**Original Color**

52.7272, 0.3412, 0.4104

**Protanomaly**

52.6498, 0.3604, 0.4045

**Deuteranomaly**

52.4220, 0.3698, 0.3899

**Tritanomaly**

52.2341, 0.3152, 0.3456

# Monochromacy



**Original Color**

52.7272, 0.3412, 0.4104

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

50.7542, 0.3236, 0.3588

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.7272, 0.3412, 0.4104 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(179, 200, 138)` looks like.

```
.text, #text, p{  
    color:rgb(179, 200, 138)  
}
```

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(179, 200, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 200, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 52.7272, 0.3412, 0.4104 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(179, 200, 138) }
```

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

```
.border{ border-color:rgb(179, 200, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 200, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 200, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 200, 138);  
box-shadow:4px 4px 4px 4px rgb(179, 200,  
138) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.7272, 0.3412, 0.4104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 200, 138) }
```

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

```
.background{ background-color: rgb(179,  
200, 138) }
```

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