

# Converting Colors

$Y_{xy}(52.0990, 0.3804, 0.4435)$

Have a look what the booklet for  
Yxy(52.0990, 0.3804, 0.4435)  
contains.

<b>Yxy(52.0814, 0.3804, 0.4428)</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(52.0814, 0.3804, 0.4428)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3C468
RGB	195, 196, 104
RGB Percent	76%, 77%, 41%
CMY	0.2354, 0.2313, 0.5921
CMYK	0.01, 0.00, 0.47, 0.23
HSL	61°, 44%, 59%
HSV	61°, 47%, 77%
XYZ	44.7420, 52.0814, 20.7949
YIQ	185.2130, 28.9360, -28.8240

# Conversions

## Conversions Part 2

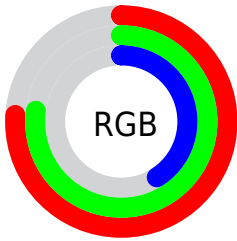
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">104, 196, 105</a>
Decimal	<a href="#">12829800</a>
CIELab	<a href="#">77.33, -13.33, 45.74</a>
CIELCh	<a href="#">77, 47.640, 106.249</a>
Yxy	<a href="#">52.0814, 0.3804, 0.4428</a>
Android (android.graphics.Color)	<a href="#">4291019880</a> ( <a href="#">0xFFC3C468</a> )
YUV	<a href="#">185.2130, -40.0380, 8.5832</a>
Hunter-Lab	<a href="#">72.1674, -15.6275, 33.4329</a>

# Details

The Yxy color **52.0814, 0.3804, 0.4428** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **16.8955, 0.2254, 0.1836**, and the grayscale version is **48.8565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.9378, 0.3702, 0.4227**, and **25.0920, 0.3943, 0.4720** is the 20% darker color. If you saturate the color by 10%, you get **51.7016, 0.3923, 0.4631**, and if you desaturate by 10%, it is **52.5586, 0.3669, 0.4200**.

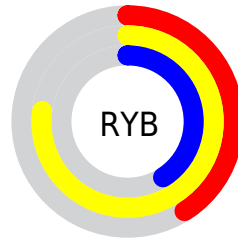
# Distribution



Red (76%)

Green (77%)

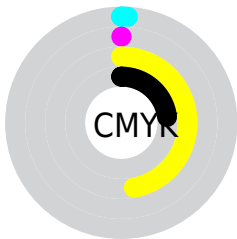
Blue (41%)



Red (41%)

Yellow (77%)

Blue (41%)

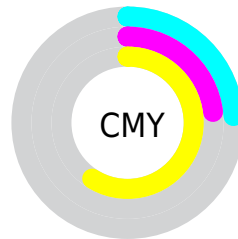


Cyan (1%)

Magenta (0%)

Yellow (47%)

Black (23%)



Cyan (24%)

Magenta (23%)


Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0814, 0.3804, 0.4428 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 52.0814, 0.3804, 0.4428 by changing the saturation by 10% instead.





 52.0814, 0.3804,  
0.4428


 52.0814, 0.3804,  
0.4428


394.7508, 0.3495,  
0.3869


 37.0700, 0.3869,  
0.4559


 93.2513, 0.3700,  
0.4230

 25.2617, 0.3943,  
0.4721

 120.1785, 0.3659,  
0.4154

 16.2721, 0.4026,  
0.4922


 151.8465, 0.3622,  
0.4089

 9.7169, 0.4111,  
0.5174

 188.6395, 0.3590,  
0.4033

 5.2117, 0.4277,  
0.5619

230.9421, 0.3562,  
0.3984

 2.3720, 0.4151,  
0.5849

279.1385, 0.3537,

 0.8114, 0.3546,

0.3941

0.6454

333.6133, 0.3515,  
0.3903

0.0000, 0.0000,  
0.0000

52.0814, 0.3804,  
0.4428

52.0814, 0.3804,  
0.4428

51.7016, 0.3923,  
0.4631

52.5586, 0.3669,  
0.4200

51.4055, 0.4022,  
0.4799

53.1320, 0.3524,  
0.3956

51.1881, 0.4096,  
0.4927


53.8092, 0.3376,  
0.3706


51.0410, 0.4144,  
0.5013


54.5953, 0.3227,  
0.3458

50.9524, 0.4169,  
0.5058

55.4950, 0.3084,  
0.3217

 50.9304, 0.4174,  
0.5068

 56.5127, 0.2947,  
0.2989

 57.6526, 0.2820,  
0.2777

 58.5378, 0.2736,  
0.2637

 58.5672, 0.2738,  
0.2637

# Harmonies

## Analogous

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



52.0814, 0.4257, 0.4121



52.0814, 0.3804, 0.4428



52.0814, 0.3196, 0.4397

# Triad

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



52.0814, 0.3804, 0.4428



52.0814, 0.1997, 0.2715



52.0814, 0.3607, 0.2738

# Complementary

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



52.0814, 0.3804, 0.4428



16.8955, 0.2254, 0.1836

# 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.



52.0814, 0.2951, 0.2427



52.0814, 0.3804, 0.4428



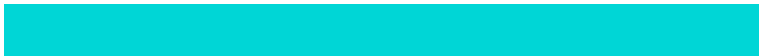
52.0814, 0.2079, 0.2383

# Square

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



52.0814, 0.3804, 0.4428



52.0814, 0.2174, 0.3285



52.0814, 0.2407, 0.2297



52.0814, 0.4164, 0.3172



# Rectangle

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



52.0814, 0.3804, 0.4428



52.0814, 0.2787, 0.4136



52.0814, 0.2407, 0.2297



52.0814, 0.3387, 0.2617

# Sweetspot

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



52.0838, 0.3804, 0.4428



97.8350, 0.3335, 0.3638



22.6407, 0.4396, 0.3294



20.8771, 0.3368, 0.3693



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.



52.0838, 0.3804, 0.4428



93.6541, 0.3923, 0.4630



46.9689, 0.3410, 0.4599



11.7525, 0.3263, 0.3518



32.7244, 0.4174, 0.5068



1.4158, 0.4179, 0.5064



# Inverse Universe

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



16.8955, 0.2254, 0.1836



22.4158, 0.2045, 0.1489



20.3751, 0.2680, 0.1986



9.7532, 0.2985, 0.3052



2.5724, 0.1504, 0.0602



0.1130, 0.1519, 0.0611



# Previews

## White Background



This preview shows how the Yxy color 52.0814, 0.3804, 0.4428 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 52.0814, 0.3804, 0.4428 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 52.0814, 0.3804, 0.4428**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.0814, 0.3804, 0.4428.



This preview shows how white text looks on a background with the Yxy color 52.0814, 0.3804, 0.4428.

# 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

52.0814, 0.3804, 0.4428

### Protanopia

51.9226, 0.3980, 0.4341

### Deuteranopia

51.8411, 0.4207, 0.4116



## Tritanopia

51.8472, 0.3177, 0.3111

# Trichromacy



## Original Color

52.0814, 0.3804, 0.4428

## Protanomaly

52.0983, 0.3917, 0.4370

## Deuteranomaly

51.6413, 0.4057, 0.4225

## Tritanomaly

51.5293, 0.3418, 0.3589

# Monochromacy



## Original Color

52.0814, 0.3804, 0.4428

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

49.6143, 0.3386, 0.3718

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.0814, 0.3804, 0.4428 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(195, 196, 104)` looks like.

```
.text, #text, p{  
    color:rgb(195, 196, 104)  
}
```

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(195, 196, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 196, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 52.0814, 0.3804, 0.4428 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(195, 196, 104) }
```

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

```
.border{ border-color:rgb(195, 196, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 196, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 196, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 196, 104);  
box-shadow:4px 4px 4px 4px rgb(195, 196,  
104) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.0814, 0.3804, 0.4428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 196, 104) }
```

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

```
.background{ background-color: rgb(195,  
196, 104) }
```

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