

# Converting Colors

Yxy(52.7852, 0.3799, 0.4505)

Have a look what the booklet for  
Yxy(52.7852, 0.3799, 0.4505)  
contains.

<b>Yxy(52.6457, 0.3802, 0.4499)</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(52.6457, 0.3802, 0.4499)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1C664
RGB	193, 198, 100
RGB Percent	76%, 78%, 39%
CMY	0.2431, 0.2235, 0.6077
CMYK	0.03, 0.00, 0.49, 0.22
HSL	63°, 46%, 58%
HSV	63°, 49%, 78%
XYZ	44.4897, 52.6457, 19.8811
YIQ	185.3330, 28.4780, -31.5380

# Conversions

## Conversions Part 2

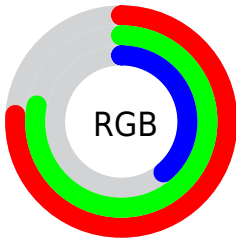
<b>Format</b>	<b>Color</b>
<b>RYB</b>	100, 198, 105
Decimal	12699236
CIELab	77.67, -15.51, 48.03
CIElCh	78, 50.471, 107.898
Yxy	52.6457, 0.3802, 0.4499
Android (android.graphics.Color)	4290889316 (0xFFC1C664)
YUV	185.3330, -42.0692, 6.7240
Hunter-Lab	72.5574, -17.5254, 34.5444

# Details

The Yxy color **52.6457, 0.3802, 0.4499** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **16.2027, 0.2231, 0.1756**, and the grayscale version is **48.9415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3291, 0.3701, 0.4294**, and **25.4866, 0.3929, 0.4804** is the 20% darker color. If you saturate the color by 10%, you get **52.1778, 0.3909, 0.4701**, and if you desaturate by 10%, it is **53.2124, 0.3678, 0.4270**.

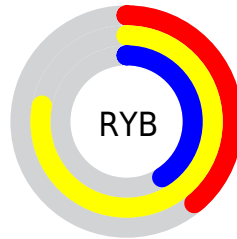
# Distribution



Red (76%)

Green (78%)

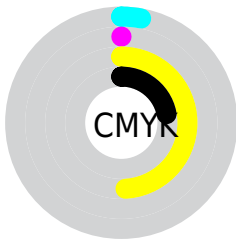
Blue (39%)



Red (39%)

Yellow (78%)

Blue (41%)

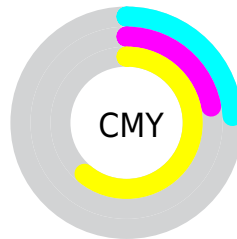


Cyan (3%)

Magenta (0%)

Yellow (49%)

Black (22%)



Cyan (24%)

Magenta (22%)


Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.6457, 0.3802, 0.4499 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 52.6457, 0.3802, 0.4499 by changing the saturation by 10% instead.





 52.6457, 0.3802,  
0.4499


 52.6457, 0.3802,  
0.4499


396.9243, 0.3498,  
0.3906


 37.5200, 0.3863,  
0.4638


 94.0828, 0.3702,  
0.4289

 25.6104, 0.3933,  
0.4808


 121.1630, 0.3661,  
0.4208

 16.5324, 0.4007,  
0.5020

 152.9969, 0.3625,  
0.4139

 9.9017, 0.4077,  
0.5283

 189.9687, 0.3593,  
0.4080

 5.3338, 0.4234,  
0.5766

232.4630, 0.3566,  
0.4028

 2.4444, 0.4037,  
0.5963

280.8641, 0.3541,

 0.8486, 0.3352,

0.3982

0.6648

335.5564, 0.3518,  
0.3942

0.0000, 0.0000,  
0.0000

52.6457, 0.3802,  
0.4499

52.6457, 0.3802,  
0.4499

52.1778, 0.3909,  
0.4701

53.2124, 0.3678,  
0.4270

51.7948, 0.3995,  
0.4868

53.8770, 0.3542,  
0.4025

51.4912, 0.4056,  
0.4994


54.6475, 0.3401,  
0.3772


51.2577, 0.4091,  
0.5076

55.5292, 0.3259,  
0.3521

51.0779, 0.4104,  
0.5121

56.5268, 0.3120,  
0.3278

 51.0689, 0.4104,  
0.5123

 57.6451, 0.2987,  
0.3046

 58.8882, 0.2863,  
0.2830

 60.0373, 0.2768,  
0.2665

 60.1777, 0.2774,  
0.2666

# Harmonies

## Analogous

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



52.6457, 0.4295, 0.4181



52.6457, 0.3802, 0.4499



52.6457, 0.3158, 0.4449

# Triad

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



52.6457, 0.3802, 0.4499



52.6457, 0.1941, 0.2655



52.6457, 0.3670, 0.2732

# Complementary

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



52.6457, 0.3802, 0.4499



16.2027, 0.2231, 0.1756

# 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.



52.6457, 0.2976, 0.2400



52.6457, 0.3802, 0.4499



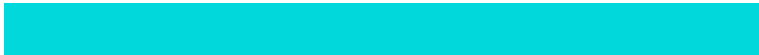
52.6457, 0.2041, 0.2325

# Square

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



52.6457, 0.3802, 0.4499



52.6457, 0.2108, 0.3243



52.6457, 0.2396, 0.2251



52.6457, 0.4246, 0.3189



# Rectangle

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



52.6457, 0.3802, 0.4499



52.6457, 0.2732, 0.4158



52.6457, 0.2396, 0.2251



52.6457, 0.3438, 0.2604

# Sweetspot

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



52.6481, 0.3802, 0.4499



97.4090, 0.3340, 0.3665



23.0159, 0.4469, 0.3358



20.7797, 0.3371, 0.3719



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.



52.6481, 0.3802, 0.4499



92.3657, 0.3913, 0.4709



47.2494, 0.3380, 0.4694



12.3884, 0.3257, 0.3519



33.2226, 0.4105, 0.5122



1.5817, 0.4125, 0.5107



# Inverse Universe

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



16.2027, 0.2231, 0.1756



20.6906, 0.2018, 0.1403



20.0597, 0.2700, 0.1930



10.3128, 0.2990, 0.3052



2.7052, 0.1518, 0.0610



0.1373, 0.1582, 0.0645



# Previews

## White Background



This preview shows how the Yxy color 52.6457, 0.3802, 0.4499 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 52.6457, 0.3802, 0.4499 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

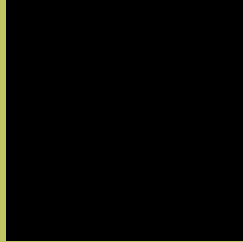
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.6457, 0.3802, 0.4499**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.6457, 0.3802, 0.4499.



This preview shows how white text looks on a background with the Yxy color 52.6457, 0.3802, 0.4499.

# 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

52.6457, 0.3802, 0.4499

### Protanopia

52.5782, 0.4019, 0.4383

### Deuteranopia

52.5286, 0.4240, 0.4148



## Tritanopia

52.5951, 0.3160, 0.3123

# Trichromacy



**Original Color**

52.6457, 0.3802, 0.4499

**Protanomaly**

52.4636, 0.3938, 0.4422

**Deuteranomaly**

52.1614, 0.4081, 0.4262

**Tritanomaly**

52.2213, 0.3414, 0.3627

# Monochromacy



**Original Color**

52.6457, 0.3802, 0.4499

**Achromatopsia**

48.5150, 0.3127, 0.3290

**Achromatomaly**

49.8514, 0.3391, 0.3758

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.6457, 0.3802, 0.4499 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(193, 198, 100)` looks like.

```
.text, #text, p{  
    color:rgb(193, 198, 100)  
}
```

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(193, 198, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 198, 100) }
```

## Border

The CSS property to change the border of an element to Yxy 52.6457, 0.3802, 0.4499 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(193, 198, 100) }
```

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

```
.border{ border-color:rgb(193, 198, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 198, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 198, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 198, 100);  
box-shadow:4px 4px 4px 4px rgb(193, 198,  
100) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.6457, 0.3802, 0.4499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 198, 100) }
```

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

```
.background{ background-color: rgb(193,  
198, 100) }
```

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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