

# Converting Colors

$Yxy(52.9791, 0.3906, 0.4481)$

Have a look what the booklet for  
Yxy(52.9791, 0.3906, 0.4481)  
contains.

<b>Yxy(52.7604, 0.3903, 0.4478)</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(52.7604, 0.3903, 0.4478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9C461
RGB	201, 196, 97
RGB Percent	79%, 77%, 38%
CMY	0.2118, 0.2314, 0.6195
CMYK	0.00, 0.02, 0.52, 0.21
HSL	57°, 49%, 58%
HSV	57°, 52%, 79%
XYZ	45.9857, 52.7604, 19.0753
YIQ	186.2090, 34.7590, -29.7290

# Conversions

## Conversions Part 2

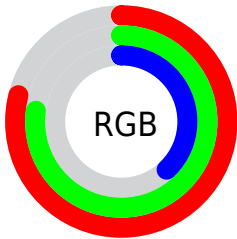
Format	Color
<a href="#">RYB</a>	<a href="#">102, 201, 97</a>
Decimal	<a href="#">13223009</a>
CIELab	<a href="#">77.73, -11.50, 49.70</a>
CIELCh	<a href="#">78, 51.013, 103.029</a>
Yxy	<a href="#">52.7604, 0.3903, 0.4478</a>
Android (android.graphics.Color)	<a href="#">4291413089 (0xFFC9C461)</a>
YUV	<a href="#">186.2090, -43.9800, 12.9717</a>
Hunter-Lab	<a href="#">72.6364, -14.1063, 35.2751</a>

# Details

The Yxy color **52.7604, 0.3903, 0.4478** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **16.2667, 0.2156, 0.1734**, and the grayscale version is **49.4654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0828, 0.3756, 0.4286**, and **25.8541, 0.4058, 0.4775** is the 20% darker color. If you saturate the color by 10%, you get **51.9999, 0.4027, 0.4659**, and if you desaturate by 10%, it is **53.6236, 0.3763, 0.4269**.

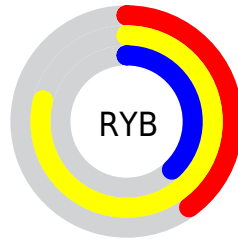
# Distribution



Red (79%)

Green (77%)

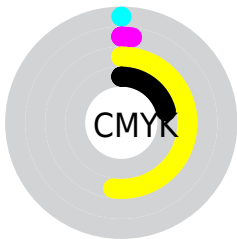
Blue (38%)



Red (40%)

Yellow (79%)

Blue (38%)

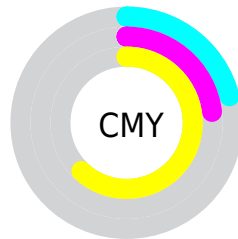


Cyan (0%)

Magenta (2%)

Yellow (52%)

Black (21%)



Cyan (21%)

Magenta (23%)


Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.7604, 0.3903, 0.4478 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 52.7604, 0.3903, 0.4478 by changing the saturation by 10% instead.





 52.7604, 0.3903,  
0.4478

 52.7604, 0.3903,  
0.4478


397.3652, 0.3550,  
0.3903

 37.6115, 0.3975,  
0.4609


 94.2517, 0.3786,  
0.4277

 25.6813, 0.4058,  
0.4769


 121.3629, 0.3738,  
0.4199

 16.5854, 0.4149,  
0.4963


 153.2304, 0.3697,  
0.4132

 9.9393, 0.4240,  
0.5197

 190.2385, 0.3660,  
0.4074

 5.3587, 0.4404,  
0.5596

232.7716, 0.3628,  
0.4023

 2.4593, 0.4260,  
0.5740

281.2142, 0.3599,

 0.8561, 0.3837,

0.3978

0.6163

335.9506, 0.3573,  
0.3938

0.0000, 0.0000,  
0.0000

52.7604, 0.3903,  
0.4478

52.7604, 0.3903,  
0.4478

51.9999, 0.4027,  
0.4659

53.6236, 0.3763,  
0.4269

51.3274, 0.4129,  
0.4802

54.5887, 0.3612,  
0.4041

50.7370, 0.4205,  
0.4903

55.6641, 0.3457,  
0.3803

50.2187, 0.4255,  
0.4961

56.8554, 0.3302,  
0.3563

49.8292, 0.4280,  
0.4984

58.1676, 0.3152,  
0.3329

■ 59.6057, 0.3010,  
0.3106

■ 61.1742, 0.2877,  
0.2896

■ 62.6939, 0.2772,  
0.2729

■ 63.1535, 0.2772,  
0.2740

# Harmonies

## Analogous

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



52.7604, 0.4360, 0.4115



52.7604, 0.3903, 0.4478



52.7604, 0.3266, 0.4502

# Triad

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



52.7604, 0.3903, 0.4478



52.7604, 0.1939, 0.2728



52.7604, 0.3562, 0.2662

# Complementary

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



52.7604, 0.3903, 0.4478



16.2667, 0.2156, 0.1734

# 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.



52.7604, 0.2867, 0.2354



52.7604, 0.3903, 0.4478



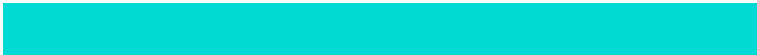
52.7604, 0.1997, 0.2352

# Square

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



52.7604, 0.3903, 0.4478



52.7604, 0.2152, 0.3356



52.7604, 0.2314, 0.2238



52.7604, 0.4182, 0.3107



# Rectangle

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



52.7604, 0.3903, 0.4478



52.7604, 0.2828, 0.4257



52.7604, 0.2314, 0.2238



52.7604, 0.3326, 0.2541

# Sweetspot

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



52.7628, 0.3903, 0.4478



96.4013, 0.3371, 0.3671



21.9355, 0.4529, 0.3228



20.5432, 0.3404, 0.3721



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.



52.7628, 0.3903, 0.4478



88.8914, 0.4040, 0.4677



49.5270, 0.3471, 0.4722



12.3263, 0.3266, 0.3508



31.3707, 0.4279, 0.4985



1.5129, 0.4259, 0.5000



# Inverse Universe

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



16.2667, 0.2156, 0.1734



19.7563, 0.1933, 0.1366



18.6840, 0.2566, 0.1824



10.3678, 0.2983, 0.3063



2.8217, 0.1510, 0.0635



0.1628, 0.1543, 0.0756



# Previews

## White Background



This preview shows how the Yxy color 52.7604, 0.3903, 0.4478 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 52.7604, 0.3903, 0.4478 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

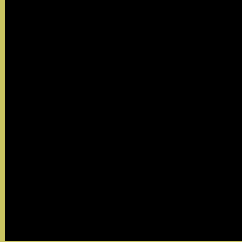
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.7604, 0.3903, 0.4478**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.7604, 0.3903, 0.4478.



This preview shows how white text looks on a background with the Yxy color 52.7604, 0.3903, 0.4478.

# 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

52.7604, 0.3903, 0.4478

### Protanopia

52.5409, 0.4032, 0.4403

### Deuteranopia

52.6199, 0.4278, 0.4182



## Tritanopia

52.6703, 0.3235, 0.3126

# Trichromacy



## Original Color

52.7604, 0.3903, 0.4478

## Protanomaly

52.3944, 0.3990, 0.4430

## Deuteranomaly

52.5553, 0.4136, 0.4290

## Tritanomaly

52.2692, 0.3495, 0.3621

# Monochromacy



## Original Color

52.7604, 0.3903, 0.4478

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

50.2364, 0.3417, 0.3754

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.7604, 0.3903, 0.4478 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(201, 196, 97)` looks like.

```
.text, #text, p{  
    color:rgb(201, 196, 97)  
}
```

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(201, 196, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 196, 97) }
```

## Border

The CSS property to change the border of an element to Yxy 52.7604, 0.3903, 0.4478 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(201, 196, 97) }
```

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

```
.border{ border-color:rgb(201, 196, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 196, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 196, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 196, 97);  
box-shadow:4px 4px 4px 4px rgb(201, 196,  
97) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.7604, 0.3903, 0.4478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 196, 97) }
```

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

```
.background{ background-color: rgb(201,  
196, 97) }
```

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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