

# Converting Colors

Yxy(52.4661, 0.3950, 0.4635)

Have a look what the booklet for  
Yxy(52.4661, 0.3950, 0.4635)  
contains.

<b>Yxy(52.5628, 0.3954, 0.4637)</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(52.5628, 0.3954, 0.4637)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6C553
RGB	198, 197, 83
RGB Percent	78%, 77%, 33%
CMY	0.2235, 0.2275, 0.6744
CMYK	0.00, 0.01, 0.58, 0.22
HSL	59°, 50%, 55%
HSV	59°, 58%, 78%
XYZ	44.8206, 52.5628, 15.9717
YIQ	184.3030, 37.1900, -35.2420

# Conversions

## Conversions Part 2

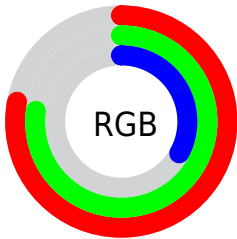
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	84, 198, 83
Decimal	13026643
CIE <sub>Lab</sub>	77.62, -14.34, 55.93
CIE <sub>LCh</sub>	78, 57.738, 104.379
Yxy	52.5628, 0.3954, 0.4637
Android (android.graphics.Color)	4291216723 (0xFFC6C553)
YUV	184.3030, -49.9424, 12.0123
Hunter-Lab	72.5002, -16.5242, 37.6886

# Details

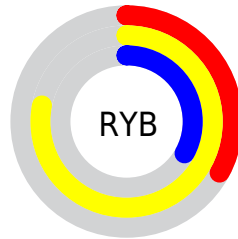
The Yxy color **52.5628, 0.3954, 0.4637** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **12.2661, 0.2014, 0.1458**, and the grayscale version is **48.3793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2881, 0.3827, 0.4418**, and **25.3868, 0.4101, 0.4956** is the 20% darker color. If you saturate the color by 10%, you get **52.2220, 0.4054, 0.4798**, and if you desaturate by 10%, it is **52.9959, 0.3833, 0.4441**.

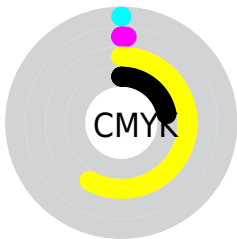
# Distribution



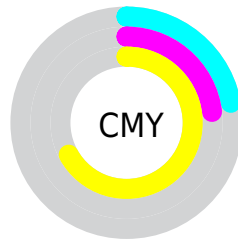
- Red (78%)
- Green (77%)
- Blue (33%)



- Red (33%)
- Yellow (78%)
- Blue (33%)



- Cyan (0%)
- Magenta (1%)
- Yellow (58%)
- Black (22%)




- Cyan (22%)
- Magenta (23%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.5628, 0.3954, 0.4637 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 52.5628, 0.3954, 0.4637 by changing the saturation by 10% instead.





 52.5628, 0.3954,  
0.4637


 52.5628, 0.3954,  
0.4637

396.6055, 0.3588,  
0.3988

 37.4539, 0.4024,  
0.4782


 93.9607, 0.3836,  
0.4412

 25.5591, 0.4100,  
0.4956


 121.0185, 0.3787,  
0.4324


 16.4941, 0.4176,  
0.5162


 152.8280, 0.3744,  
0.4248

 9.8745, 0.4245,  
0.5413

 189.7737, 0.3705,  
0.4182

 5.3158, 0.4283,  
0.5717

 232.2398, 0.3671,  
0.4125

 2.4337, 0.4101,  
0.5899

280.6110, 0.3641,

 0.8432, 0.3487,

0.4074

0.6513

335.2714, 0.3613,  
0.4028

0.0000, 0.0000,  
0.0000

52.5628, 0.3954,  
0.4637

52.5628, 0.3954,  
0.4637

52.2220, 0.4054,  
0.4798

52.9959, 0.3833,  
0.4441

51.9586, 0.4130,  
0.4919

53.5207, 0.3695,  
0.4218

51.7660, 0.4179,  
0.4996

54.1458, 0.3548,  
0.3978

51.6306, 0.4205,  
0.5034

54.8768, 0.3397,  
0.3731

51.6069, 0.4209,  
0.5040

55.7188, 0.3246,  
0.3484

■ 56.6767, 0.3099,  
0.3245

■ 57.7551, 0.2960,  
0.3017

■ 58.9581, 0.2831,  
0.2804

■ 59.8813, 0.2747,  
0.2668

# Harmonies

## Analogous

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



52.5628, 0.4490, 0.4217



52.5628, 0.3954, 0.4637



52.5628, 0.3234, 0.4669

# Triad

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



52.5628, 0.3954, 0.4637



52.5628, 0.1802, 0.2621



52.5628, 0.3651, 0.2608

# Complementary

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



52.5628, 0.3954, 0.4637



12.2661, 0.2014, 0.1458

# 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.



52.5628, 0.2862, 0.2262



52.5628, 0.3954, 0.4637



52.5628, 0.1881, 0.2227

# Square

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



52.5628, 0.3954, 0.4637



52.5628, 0.2016, 0.3319



52.5628, 0.2239, 0.2121



52.5628, 0.4348, 0.3099



# Rectangle

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



52.5628, 0.3954, 0.4637



52.5628, 0.2748, 0.4375



52.5628, 0.2239, 0.2121



52.5628, 0.3382, 0.2473

# Sweetspot

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



52.5652, 0.3954, 0.4637



97.2709, 0.3384, 0.3711



18.8539, 0.4864, 0.3272



20.7594, 0.3415, 0.3761



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.



52.5652, 0.3954, 0.4637



92.3036, 0.4079, 0.4839



46.8111, 0.3462, 0.4913



12.4003, 0.3265, 0.3516



33.5616, 0.4208, 0.5040



1.5945, 0.4205, 0.5043



# Inverse Universe

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



12.2661, 0.2014, 0.1458



14.2375, 0.1774, 0.1061



15.7238, 0.2518, 0.1658



10.3023, 0.2983, 0.3053



2.6829, 0.1502, 0.0606



0.1324, 0.1508, 0.0629



# Previews

## White Background



This preview shows how the Yxy color 52.5628, 0.3954, 0.4637 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 52.5628, 0.3954, 0.4637 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

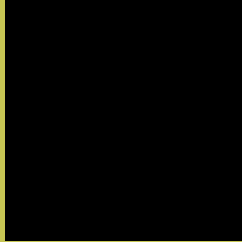
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.5628, 0.3954, 0.4637**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.5628, 0.3954, 0.4637.



This preview shows how white text looks on a background with the Yxy color 52.5628, 0.3954, 0.4637.

# 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

52.5628, 0.3954, 0.4637

### Protanopia

52.4546, 0.4127, 0.4528

### Deuteranopia

52.1485, 0.4382, 0.4282



## Tritanopia

52.3768, 0.3219, 0.3125

# Trichromacy



## Original Color

52.5628, 0.3954, 0.4637

## Protanomaly

52.6027, 0.4068, 0.4570

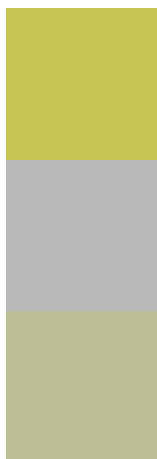
## Deuteranomaly

51.9005, 0.4228, 0.4399

## Tritanomaly

51.8086, 0.3519, 0.3686

# Monochromacy



## Original Color

52.5628, 0.3954, 0.4637

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

49.3206, 0.3458, 0.3837

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.5628, 0.3954, 0.4637 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(198, 197, 83)` looks like.

```
.text, #text, p{  
    color:rgb(198, 197, 83)  
}
```

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(198, 197, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 197, 83) }
```

## Border

The CSS property to change the border of an element to Yxy 52.5628, 0.3954, 0.4637 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(198, 197, 83) }
```

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

```
.border{ border-color:rgb(198, 197, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 197, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 197, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 197, 83);  
box-shadow:4px 4px 4px 4px rgb(198, 197,  
83) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.5628, 0.3954, 0.4637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 197, 83) }
```

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

```
.background{ background-color: rgb(198,  
197, 83) }
```

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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