

# Converting Colors

Yxy(52.4715, 0.3923, 0.4379)

Have a look what the booklet for  
Yxy(52.4715, 0.3923, 0.4379)  
contains.

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# Color

**Yxy(52.6647, 0.3927, 0.4387)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEC266
RGB	206, 194, 102
RGB Percent	81%, 76%, 40%
CMY	0.1921, 0.2392, 0.6002
CMYK	0.00, 0.06, 0.51, 0.19
HSL	53°, 51%, 60%
HSV	53°, 51%, 81%
XYZ	47.1425, 52.6647, 20.2400
YIQ	187.1000, 36.6840, -26.0680

# Conversions

## Conversions Part 2

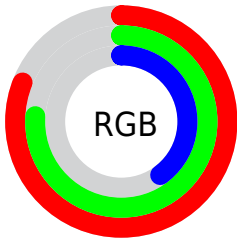
<b>Format</b>	<b>Color</b>
<b>RYB</b>	116, 206, 102
Decimal	13550182
CIELab	77.68, -7.99, 47.37
CIELCh	78, 48.039, 99.576
Yxy	52.6647, 0.3927, 0.4387
Android (android.graphics.Color)	4291740262 (0xFFCEC266)
YUV	187.1000, -41.9543, 16.5753
Hunter-Lab	72.5704, -11.0428, 34.2633

# Details

The Yxy color **52.6647, 0.3927, 0.4387** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.3035, 0.2200, 0.1877**, and the grayscale version is **49.9787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9978, 0.3734, 0.4224**, and **25.7728, 0.4099, 0.4654** is the 20% darker color. If you saturate the color by 10%, you get **51.2592, 0.4071, 0.4564**, and if you desaturate by 10%, it is **54.1935, 0.3770, 0.4185**.

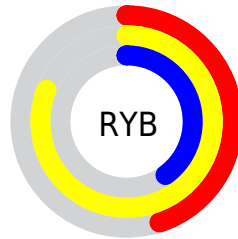
# Distribution



Red (81%)

Green (76%)

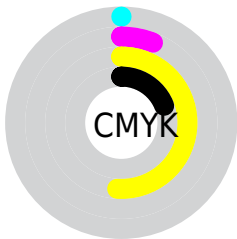
Blue (40%)



Red (45%)

Yellow (81%)

Blue (40%)

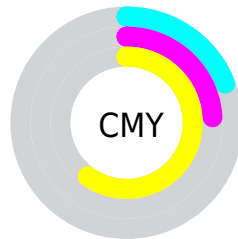


Cyan (0%)

Magenta (6%)

Yellow (51%)

Black (19%)



Cyan (19%)

Magenta (24%)


Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.6647, 0.3927, 0.4387 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 52.6647, 0.3927, 0.4387 by changing the saturation by 10% instead.





 52.6647, 0.3927,  
0.4387


 52.6647, 0.3927,  
0.4387


396.9974, 0.3557,  
0.3859

 37.5352, 0.4006,  
0.4507


 94.1108, 0.3802,  
0.4203


 25.6221, 0.4097,  
0.4653


 121.1961, 0.3752,  
0.4131

 16.5412, 0.4202,  
0.4831


 153.0356, 0.3709,  
0.4069

 9.9079, 0.4316,  
0.5045

 190.0134, 0.3671,  
0.4016

 5.3379, 0.4538,  
0.5438

232.5142, 0.3638,  
0.3969

 2.4469, 0.4451,  
0.5549

280.9221, 0.3608,

 0.8498, 0.4189,

0.3928

0.5811

335.6217, 0.3581,  
0.3891

0.0000, 0.0000,  
0.0000

52.6647, 0.3927,  
0.4387

52.6647, 0.3927,  
0.4387

51.2592, 0.4071,  
0.4564

54.1935, 0.3770,  
0.4185

49.9620, 0.4195,  
0.4705

55.8452, 0.3608,  
0.3967

48.7666, 0.4295,  
0.4805

57.6287, 0.3445,  
0.3742

47.6626, 0.4367,  
0.4860

59.5498, 0.3286,  
0.3518

46.6808, 0.4413,  
0.4878

61.6140, 0.3135,  
0.3301

■ 63.8265, 0.2993,  
0.3094

■ 66.1921, 0.2863,  
0.2901

■ 67.9346, 0.2811,  
0.2838

■ 69.1383, 0.2813,  
0.2864

# Harmonies

## Analogous

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



52.6647, 0.4326, 0.4028



52.6647, 0.3927, 0.4387



52.6647, 0.3336, 0.4447

# Triad

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



52.6647, 0.3927, 0.4387



52.6647, 0.2009, 0.2821



52.6647, 0.3462, 0.2653

# Complementary

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



52.6647, 0.3927, 0.4387



19.3035, 0.2200, 0.1877

# 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.



52.6647, 0.2814, 0.2378



52.6647, 0.3927, 0.4387



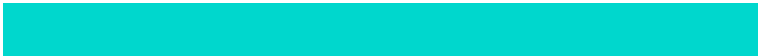
52.6647, 0.2035, 0.2431

# Square

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



52.6647, 0.3927, 0.4387



52.6647, 0.2245, 0.3434



52.6647, 0.2310, 0.2292



52.6647, 0.4066, 0.3067



# Rectangle

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



52.6647, 0.3927, 0.4387



52.6647, 0.2918, 0.4248



52.6647, 0.2310, 0.2292



52.6647, 0.3240, 0.2543

# Sweetspot

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



52.6671, 0.3927, 0.4387



94.9951, 0.3359, 0.3622



23.8342, 0.4381, 0.3141



20.1915, 0.3393, 0.3670



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.



52.6671, 0.3927, 0.4387



82.7757, 0.4087, 0.4583



53.2222, 0.3523, 0.4662



12.8672, 0.3268, 0.3493



28.8354, 0.4410, 0.4881



1.5518, 0.4362, 0.4919



# Inverse Universe

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



19.3035, 0.2200, 0.1877



22.7105, 0.1980, 0.1516



19.6882, 0.2514, 0.1832



11.0488, 0.2982, 0.3078



3.2135, 0.1525, 0.0691

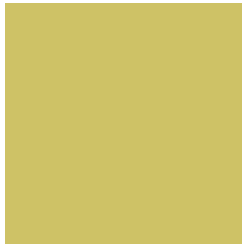


0.2373, 0.1595, 0.0942



# Previews

## White Background



This preview shows how the Yxy color 52.6647, 0.3927, 0.4387 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 52.6647, 0.3927, 0.4387 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

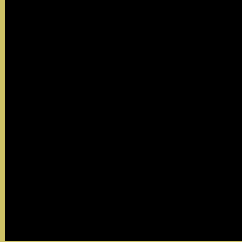
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.6647, 0.3927, 0.4387**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.6647, 0.3927, 0.4387.



This preview shows how white text looks on a background with the Yxy color 52.6647, 0.3927, 0.4387.

# 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

52.6647, 0.3927, 0.4387

### Protanopia

52.6359, 0.3999, 0.4353

### Deuteranopia

52.5491, 0.4233, 0.4139



## Tritanopia

52.5431, 0.3288, 0.3116

# Trichromacy



## Original Color

52.6647, 0.3927, 0.4387

## Protanomaly

52.7812, 0.3975, 0.4371

## Deuteranomaly

52.3874, 0.4116, 0.4228

## Tritanomaly

52.1820, 0.3536, 0.3581

# Monochromacy



## Original Color

52.6647, 0.3927, 0.4387

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

50.6965, 0.3428, 0.3724

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.6647, 0.3927, 0.4387 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(206, 194, 102)` looks like.

```
.text, #text, p{  
    color:rgb(206, 194, 102)  
}
```

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(206, 194, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 194, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 52.6647, 0.3927, 0.4387 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(206, 194, 102) }
```

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

```
.border{ border-color:rgb(206, 194, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 194, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 194, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 194, 102);  
box-shadow:4px 4px 4px 4px rgb(206, 194,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.6647, 0.3927, 0.4387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 194, 102) }
```

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

```
.background{ background-color: rgb(206,  
194, 102) }
```

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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