

# Converting Colors

$Yxy(52.0469, 0.3863, 0.4177)$

Have a look what the booklet for  
Yxy(52.0469, 0.3863, 0.4177)  
contains.

<b>Yxy(52.1013, 0.3864, 0.4182)</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(52.1013, 0.3864, 0.4182)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1BF75
RGB	209, 191, 117
RGB Percent	82%, 75%, 46%
CMY	0.1803, 0.2510, 0.5412
CMYK	0.00, 0.09, 0.44, 0.18
HSL	48°, 50%, 64%
HSV	48°, 44%, 82%
XYZ	48.1395, 52.1013, 24.3438
YIQ	187.9460, 34.4820, -19.1980

# Conversions

## Conversions Part 2

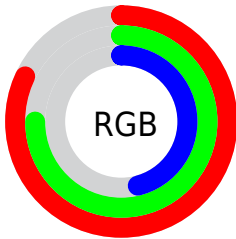
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 209, 117
Decimal	13746037
CIELab	77.34, -3.78, 39.55
CIELCh	77, 39.726, 95.454
Yxy	52.1013, 0.3864, 0.4182
Android (android.graphics.Color)	4291936117 (0xFFD1BF75)
YUV	187.9460, -34.9764, 18.4644
Hunter-Lab	72.1812, -7.2709, 30.5307

# Details

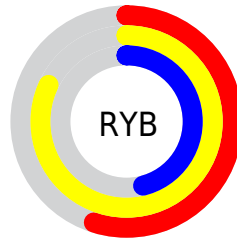
The Yxy color **52.1013, 0.3864, 0.4182** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **25.7146, 0.2350, 0.2196**, and the grayscale version is **50.4466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6838, 0.3655, 0.4054**, and **25.3545, 0.4036, 0.4404** is the 20% darker color. If you saturate the color by 10%, you get **49.9056, 0.4037, 0.4364**, and if you desaturate by 10%, it is **54.4615, 0.3687, 0.3983**.

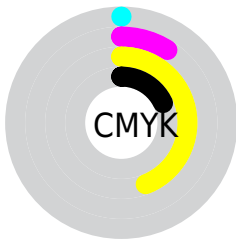
# Distribution



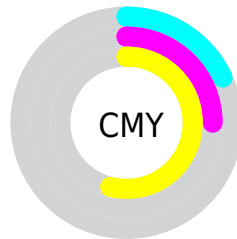
- Red (82%)
- Green (75%)
- Blue (46%)



- Red (55%)
- Yellow (82%)
- Blue (46%)



- Cyan (0%)
- Magenta (9%)
- Yellow (44%)
- Black (18%)




- Cyan (18%)
- Magenta (25%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.1013, 0.3864, 0.4182 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 52.1013, 0.3864, 0.4182 by changing the saturation by 10% instead.





 52.1013, 0.3864,  
0.4182


 52.1013, 0.3864,  
0.4182


394.8276, 0.3514,  
0.3751

 37.0858, 0.3943,  
0.4282


 93.2806, 0.3743,  
0.4030

 25.2739, 0.4038,  
0.4405


 120.2133, 0.3695,  
0.3972

 16.2813, 0.4155,  
0.4557


 151.8871, 0.3654,  
0.3922

 9.7234, 0.4294,  
0.4748

188.6864, 0.3619,  
0.3878

 5.2160, 0.4479,  
0.5011

230.9958, 0.3588,  
0.3840

 2.3745, 0.4674,  
0.5326

279.1995, 0.3560,

 0.8127, 0.4557,

0.3807

0.5443

333.6819, 0.3536,  
0.3777

■ 0.0000, 0.0000,  
0.0000

■ 52.1013, 0.3864,  
0.4182

■ 52.1013, 0.3864,  
0.4182

■ 49.9056, 0.4037,  
0.4364

■ 54.4615, 0.3687,  
0.3983

■ 47.8594, 0.4199,  
0.4519

■ 56.9859, 0.3513,  
0.3776

■ 45.9563, 0.4342,  
0.4636

■ 59.6837, 0.3345,  
0.3570

■ 44.1863, 0.4460,  
0.4710

■ 62.5610, 0.3187,  
0.3369

■ 42.5374, 0.4548,  
0.4737

■ 65.6234, 0.3042,  
0.3177

■ 41.5986, 0.4591,  
0.4737

■ 68.8765, 0.2908,  
0.2997

■ 71.7793, 0.2835,  
0.2913

■ 73.9494, 0.2837,  
0.2958

■ 76.1723, 0.2839,  
0.3002

# Harmonies

## Analogous

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



52.1013, 0.4156, 0.3876



52.1013, 0.3864, 0.4182



52.1013, 0.3386, 0.4252

# Triad

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



52.1013, 0.3864, 0.4182



52.1013, 0.2196, 0.2971



52.1013, 0.3334, 0.2710

# Complementary

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



52.1013, 0.3864, 0.4182



25.7146, 0.2350, 0.2196

# 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.



52.1013, 0.2801, 0.2494



52.1013, 0.3864, 0.4182



52.1013, 0.2184, 0.2606

# Square

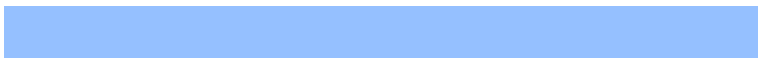
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



52.1013, 0.3864, 0.4182



52.1013, 0.2433, 0.3491



52.1013, 0.2394, 0.2450



52.1013, 0.3847, 0.3055



# Rectangle

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



52.1013, 0.3864, 0.4182



52.1013, 0.3033, 0.4116



52.1013, 0.2394, 0.2450



52.1013, 0.3150, 0.2621

# Sweetspot

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



52.1037, 0.3864, 0.4182



93.9744, 0.3331, 0.3552



28.0377, 0.4045, 0.3060



19.9059, 0.3367, 0.3597



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.



52.1037, 0.3864, 0.4182



78.3962, 0.4030, 0.4357



56.7677, 0.3547, 0.4458



13.3879, 0.3271, 0.3476



25.7831, 0.4584, 0.4742



1.5446, 0.4500, 0.4809



# Inverse Universe

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



25.7146, 0.2350, 0.2196



31.8562, 0.2164, 0.1910



23.3067, 0.2540, 0.2008



11.7871, 0.2982, 0.3097



3.9234, 0.1555, 0.0799



0.3321, 0.1648, 0.1132



# Previews

## White Background



This preview shows how the Yxy color 52.1013, 0.3864, 0.4182 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

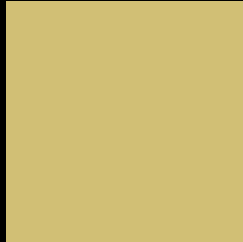
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.1013, 0.3864, 0.4182 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

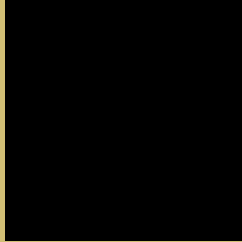
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.1013, 0.3864, 0.4182**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.1013, 0.3864, 0.4182.



This preview shows how white text looks on a background with the Yxy color 52.1013, 0.3864, 0.4182.

# 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

52.1013, 0.3864, 0.4182

### Protanopia

52.1013, 0.3864, 0.4182

### Deuteranopia

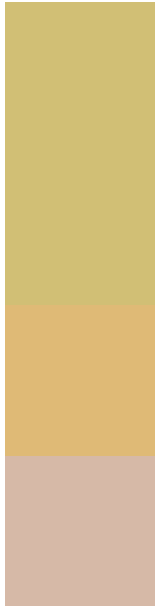
52.1878, 0.4090, 0.4011



## Tritanopia

52.1931, 0.3314, 0.3128

# Trichromacy



## Original Color

52.1013, 0.3864, 0.4182

## Protanomaly

52.1013, 0.3864, 0.4182

## Deuteranomaly

52.1138, 0.4009, 0.4075

## Tritanomaly

51.7841, 0.3526, 0.3507

# Monochromacy



## Original Color

52.1013, 0.3864, 0.4182

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

50.7396, 0.3399, 0.3632

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.1013, 0.3864, 0.4182 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(209, 191, 117)` looks like.

```
.text, #text, p{  
    color:rgb(209, 191, 117)  
}
```

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(209, 191, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 191, 117) }
```

## Border

The CSS property to change the border of an element to Yxy 52.1013, 0.3864, 0.4182 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(209, 191, 117) }
```

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

```
.border{ border-color:rgb(209, 191, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 191, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 191, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 191, 117);  
box-shadow:4px 4px 4px 4px rgb(209, 191,  
117) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.1013, 0.3864, 0.4182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 191, 117) }
```

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

```
.background{ background-color: rgb(209,  
191, 117) }
```

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