

# Converting Colors

$Y_{xy}(57.3523, 0.3756, 0.4142)$

Have a look what the booklet for  
Yxy(57.3523, 0.3756, 0.4142)  
contains.

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# Color

**Yxy(57.3553, 0.3756, 0.4143)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4C981
RGB	212, 201, 129
RGB Percent	83%, 79%, 51%
CMY	0.1686, 0.2117, 0.4943
CMYK	0.00, 0.05, 0.39, 0.17
HSL	52°, 49%, 67%
HSV	52°, 39%, 83%
XYZ	51.9977, 57.3553, 29.0860
YIQ	196.0810, 29.6680, -20.0600

# Conversions

## Conversions Part 2

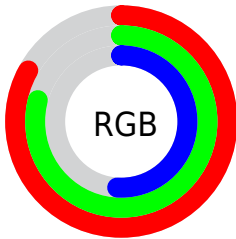
Format	Color
R <sub>Y</sub> B	142, 212, 129
Decimal	13945217
CIE Lab	80.38, -6.49, 37.36
CIE LCh	80, 37.924, 99.860
Yxy	57.3553, 0.3756, 0.4143
Android (android.graphics.Color)	4292135297 (0xFFD4C981)
YUV	196.0810, -33.0709, 13.9610
Hunter-Lab	75.7333, -9.9769, 30.2424

# Details

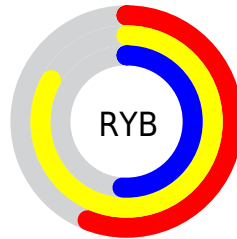
The Yxy color **57.3553, 0.3756, 0.4143** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **28.1600, 0.2432, 0.2260**, and the grayscale version is **55.4413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1989, 0.3556, 0.3998**, and **28.4854, 0.3904, 0.4358** is the 20% darker color. If you saturate the color by 10%, you get **55.5555, 0.3918, 0.4345**, and if you desaturate by 10%, it is **59.3012, 0.3590, 0.3926**.

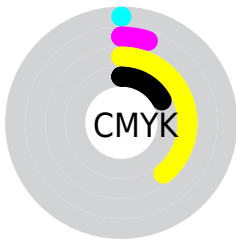
# Distribution



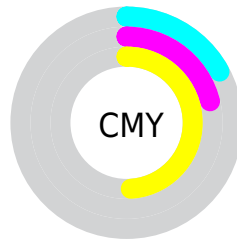
- Red (83%)
- Green (79%)
- Blue (51%)



- Red (56%)
- Yellow (83%)
- Blue (51%)



- Cyan (0%)
- Magenta (5%)
- Yellow (39%)
- Black (17%)




- Cyan (17%)
- Magenta (21%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.3553, 0.3756, 0.4143 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 57.3553, 0.3756, 0.4143 by changing the saturation by 10% instead.



 57.3553, 0.3756,  
0.4143


 57.3553, 0.3756,  
0.4143


414.7793, 0.3462,  
0.3733

 41.2906, 0.3821,  
0.4239


 100.9834, 0.3655,  
0.3999

 28.5462, 0.3900,  
0.4356


 129.3156, 0.3615,  
0.3943

 18.7378, 0.3997,  
0.4505


 162.5057, 0.3581,  
0.3895

 11.4810, 0.4113,  
0.4694

200.9382, 0.3551,  
0.3854

 6.3913, 0.4250,  
0.4937

244.9974, 0.3525,  
0.3818

 3.0845, 0.4557,  
0.5443

295.0677, 0.3502,

 1.1760, 0.4434,

0.3786

0.5566

351.5336, 0.3481,  
0.3758

0.0420, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

57.3553, 0.3756,  
0.4143

57.3553, 0.3756,  
0.4143

55.5555, 0.3918,  
0.4345

59.3012, 0.3590,  
0.3926

53.8864, 0.4068,  
0.4524

61.3922, 0.3425,  
0.3705

52.3425, 0.4201,  
0.4669

63.6370, 0.3266,  
0.3485

50.9145, 0.4309,  
0.4772

66.0416, 0.3115,  
0.3273

■ 49.5913, 0.4390,  
0.4830

■ 68.6115, 0.2975,  
0.3072

■ 48.3548, 0.4445,  
0.4848

■ 71.2768, 0.2853,  
0.2895

■ 48.2537, 0.4450,  
0.4849

■ 72.7428, 0.2854,  
0.2926

■ 74.2335, 0.2856,  
0.2956

■ 75.7491, 0.2857,  
0.2987

# Harmonies

## Analogous

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



57.3553, 0.4056, 0.3889



57.3553, 0.3756, 0.4143



57.3553, 0.3299, 0.4159

# Triad

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



57.3553, 0.3756, 0.4143



57.3553, 0.2245, 0.2938



57.3553, 0.3395, 0.2791

# Complementary

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



57.3553, 0.3756, 0.4143



28.1600, 0.2432, 0.2260

# 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.



57.3553, 0.2895, 0.2568



57.3553, 0.3756, 0.4143



57.3553, 0.2265, 0.2623

# Square

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



57.3553, 0.3756, 0.4143



57.3553, 0.2438, 0.3404



57.3553, 0.2491, 0.2502



57.3553, 0.3850, 0.3128



# Rectangle

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



57.3553, 0.3756, 0.4143



57.3553, 0.2973, 0.4003



57.3553, 0.2491, 0.2502



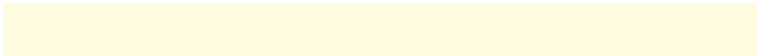
57.3553, 0.3225, 0.2702

# Sweetspot

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



57.3579, 0.3756, 0.4143



95.6271, 0.3312, 0.3549



31.5823, 0.3968, 0.3154



20.3709, 0.3333, 0.3578



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.



57.3579, 0.3756, 0.4143



84.8286, 0.3891, 0.4313



58.5597, 0.3462, 0.4343



14.2265, 0.3270, 0.3491



29.8967, 0.4445, 0.4852



1.8828, 0.4396, 0.4892



# Inverse Universe

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



28.1600, 0.2432, 0.2260



34.5197, 0.2264, 0.1997



27.8575, 0.2668, 0.2179



12.2710, 0.2981, 0.3081



3.5319, 0.1530, 0.0708

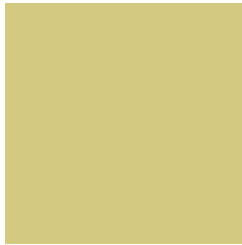


0.3015, 0.1599, 0.0955



# Previews

## White Background



This preview shows how the Yxy color 57.3553, 0.3756, 0.4143 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 57.3553, 0.3756, 0.4143 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

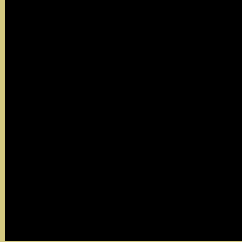
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.3553, 0.3756, 0.4143**

## Background



This preview shows how black text looks on a background with the Yxy color 57.3553, 0.3756, 0.4143.

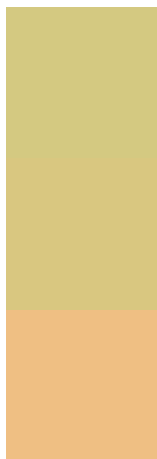


This preview shows how white text looks on a background with the Yxy color 57.3553, 0.3756, 0.4143.

# 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

57.3553, 0.3756, 0.4143

### Protanopia

57.1571, 0.3815, 0.4119

### Deuteranopia

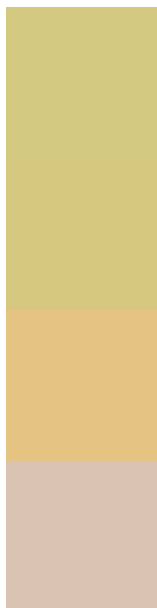
57.2510, 0.4022, 0.3948



## Tritanopia

57.0900, 0.3257, 0.3120

# Trichromacy



## Original Color

57.3553, 0.3756, 0.4143

## Protanomaly

57.3141, 0.3793, 0.4135

## Deuteranomaly

57.2999, 0.3923, 0.4024

## Tritanomaly

57.1500, 0.3447, 0.3489

# Monochromacy



## Original Color

57.3553, 0.3756, 0.4143

## Achromatopsia

55.2011, 0.3127, 0.3290

## Achromatomaly

55.9233, 0.3355, 0.3608

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.3553, 0.3756, 0.4143 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(212, 201, 129)` looks like.

```
.text, #text, p{  
    color:rgb(212, 201, 129)  
}
```

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(212, 201, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 201, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 57.3553, 0.3756, 0.4143 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(212, 201, 129) }
```

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

```
.border{ border-color:rgb(212, 201, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 201, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 201, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 201, 129);  
box-shadow:4px 4px 4px 4px rgb(212, 201,  
129) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 57.3553, 0.3756, 0.4143$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 201, 129) }
```

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

```
.background{ background-color: rgb(212,  
201, 129) }
```

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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