

# Converting Colors

$Yxy(62.8243, 0.3799, 0.4232)$

Have a look what the booklet for  
Yxy(62.8243, 0.3799, 0.4232)  
contains.

|  |    |
|--|----|
| <b>Yxy(62.8411, 0.3798, 0.4233)</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(62.8411, 0.3798, 0.4233)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | DCD27F                      |
| RGB         | 220, 210, 127               |
| RGB Percent | 86%, 82%, 50%               |
| CMY         | 0.1374, 0.1764, 0.5020      |
| CMYK        | 0.00, 0.05, 0.42, 0.14      |
| HSL         | 54°, 57%, 68%               |
| HSV         | 54°, 42%, 86%               |
| XYZ         | 56.3833, 62.8411, 29.2308   |
| YIQ         | 203.5280, 32.6030, -23.6930 |

# Conversions

## Conversions Part 2

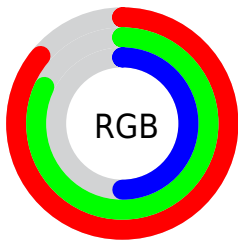
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 138, 220, 127                  |
| Decimal                             | 14471807                       |
| CIELab                              | 83.36, -8.15, 42.29            |
| CIELCh                              | 83, 43.066, 100.908            |
| Yxy                                 | 62.8411, 0.3798,<br>0.4233     |
| Android<br>(android.graphics.Color) | 4292661887<br>(0xFFDCD27F)     |
| YUV                                 | 203.5280, -37.7283,<br>14.4459 |
| Hunter-Lab                          | 79.2724, -11.7667,<br>33.6281  |

# Details

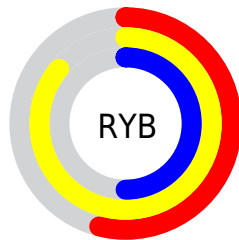
The Yxy color **62.8411, 0.3798, 0.4233** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.5477, 0.2362, 0.2127**, and the grayscale version is **60.2951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1162, 0.3567, 0.4018**, and **32.0853, 0.3934, 0.4461** is the 20% darker color. If you saturate the color by 10%, you get **61.1784, 0.3951, 0.4433**, and if you desaturate by 10%, it is **64.6518, 0.3637, 0.4015**.

# Distribution



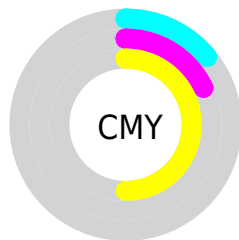
- Red (86%)
- Green (82%)
- Blue (50%)



- Red (54%)
- Yellow (86%)
- Blue (50%)



- Cyan (0%)
- Magenta (5%)
- Yellow (42%)
- Black (14%)




- Cyan (14%)
- Magenta (18%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8411, 0.3798, 0.4233 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 62.8411, 0.3798, 0.4233 by changing the saturation by 10% instead.





 62.8411, 0.3798,  
0.4233

 62.8411, 0.3798,  
0.4233


434.9926, 0.3493,  
0.3787

 45.7127, 0.3864,  
0.4334

 108.9402, 0.3695,  
0.4078

 32.0191, 0.3941,  
0.4458


 138.6797, 0.3654,  
0.4018

 21.3761, 0.4034,  
0.4611


 173.3917, 0.3618,  
0.3966

 13.3992, 0.4142,  
0.4802

213.4606, 0.3587,  
0.3921

 7.7040, 0.4261,  
0.5040

259.2707, 0.3559,  
0.3881

 3.9061, 0.4505,  
0.5495

311.2065, 0.3535,

 1.6212, 0.4377,

0.3846

0.5623

369.6523, 0.3513,  
0.3815

0.3718, 0.2935,  
0.7065

0.0000, 0.0000,  
0.0000

62.8411, 0.3798,  
0.4233

62.8411, 0.3798,  
0.4233

61.1784, 0.3951,  
0.4433

64.6518, 0.3637,  
0.4015

59.6469, 0.4090,  
0.4605


66.6094, 0.3474,  
0.3788

58.2400, 0.4207,  
0.4740


68.7239, 0.3314,  
0.3561


56.9470, 0.4299,  
0.4832

71.0016, 0.3161,  
0.3339

 55.7553, 0.4363,  
0.4879

 73.4487, 0.3017,  
0.3128

 54.8870, 0.4397,  
0.4891

 75.8131, 0.2907,  
0.2969

 77.0875, 0.2908,  
0.2994

 78.3794, 0.2909,  
0.3018

 79.6890, 0.2909,  
0.3043

# Harmonies

## Analogous

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



62.8411, 0.4140, 0.3953



62.8411, 0.3798, 0.4233



62.8411, 0.3292, 0.4249

# Triad

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



62.8411, 0.3798, 0.4233



62.8411, 0.2161, 0.2882



62.8411, 0.3440, 0.2756

# Complementary

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



62.8411, 0.3798, 0.4233



27.5477, 0.2362, 0.2127

# 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.



62.8411, 0.2888, 0.2509



62.8411, 0.3798, 0.4233



62.8411, 0.2191, 0.2549

# Square

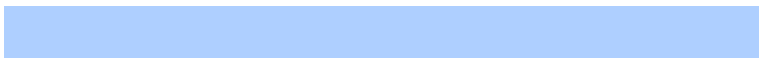
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.8411, 0.3798, 0.4233



62.8411, 0.2361, 0.3393



62.8411, 0.2443, 0.2429



62.8411, 0.3938, 0.3124



# Rectangle

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



62.8411, 0.3798, 0.4233



62.8411, 0.2935, 0.4069



62.8411, 0.2443, 0.2429



62.8411, 0.3252, 0.2658

# Sweetspot

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



62.8440, 0.3798, 0.4233



95.8045, 0.3327, 0.3579



32.2150, 0.4090, 0.3162



20.3621, 0.3362, 0.3630



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.



62.8440, 0.3798, 0.4233



85.7037, 0.3939, 0.4417



62.9288, 0.3473, 0.4438



15.0135, 0.3269, 0.3497



32.3241, 0.4393, 0.4894



2.1638, 0.4357, 0.4923



# Inverse Universe

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



27.5477, 0.2362, 0.2127



30.0007, 0.2175, 0.1827



28.0876, 0.2635, 0.2083



12.8402, 0.2981, 0.3074



3.4832, 0.1522, 0.0679

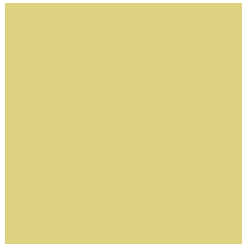


0.3030, 0.1577, 0.0878



# Previews

## White Background



This preview shows how the Yxy color 62.8411, 0.3798, 0.4233 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 62.8411, 0.3798, 0.4233 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

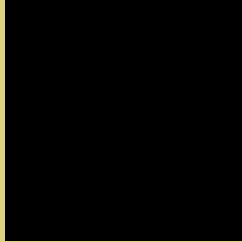
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.8411, 0.3798, 0.4233**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.8411, 0.3798, 0.4233.



This preview shows how white text looks on a background with the Yxy color 62.8411, 0.3798, 0.4233.

# 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

62.8411, 0.3798, 0.4233

### Protanopia

62.9490, 0.3872, 0.4203

### Deuteranopia

62.5091, 0.4094, 0.3999



## Tritanopia

62.5761, 0.3253, 0.3116

# Trichromacy



## Original Color

62.8411, 0.3798, 0.4233

## Protanomaly

62.9546, 0.3843, 0.4221

## Deuteranomaly

62.3513, 0.3989, 0.4076

## Tritanomaly

62.2995, 0.3458, 0.3517

# Monochromacy



## Original Color

62.8411, 0.3798, 0.4233

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

60.9788, 0.3376, 0.3644

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.8411, 0.3798, 0.4233 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(220, 210, 127)` looks like.

```
.text, #text, p{  
    color:rgb(220, 210, 127)  
}
```

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(220, 210, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 210, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 62.8411, 0.3798, 0.4233 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(220, 210, 127) }
```

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

```
.border{ border-color:rgb(220, 210, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 210, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 210, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 210, 127);  
box-shadow:4px 4px 4px 4px rgb(220, 210,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.8411, 0.3798, 0.4233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 210, 127) }
```

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

```
.background{ background-color: rgb(220,  
210, 127) }
```

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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