

# Converting Colors

$Yxy(61.0310, 0.3817, 0.4187)$

Have a look what the booklet for  
Yxy(61.0310, 0.3817, 0.4187)  
contains.

<b>Yxy(61.0471, 0.3825, 0.4190)</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(61.0471, 0.3825, 0.4190)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDCE7F
RGB	221, 206, 127
RGB Percent	87%, 81%, 50%
CMY	0.1332, 0.1922, 0.5020
CMYK	0.00, 0.07, 0.43, 0.13
HSL	50°, 58%, 68%
HSV	50°, 43%, 87%
XYZ	55.7292, 61.0471, 28.9209
YIQ	201.4790, 34.2990, -21.3890

# Conversions

## Conversions Part 2

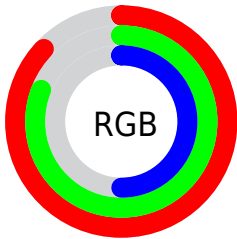
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 221, 127
Decimal	14536319
CIELab	82.40, -5.67, 41.10
CIELCh	82, 41.489, 97.849
Yxy	61.0471, 0.3825, 0.4190
Android (android.graphics.Color)	4292726399 (0xFFDDCE7F)
YUV	201.4790, -36.7181, 17.1199
Hunter-Lab	78.1326, -9.4146, 32.7466

# Details

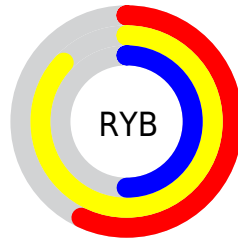
The Yxy color **61.0471, 0.3825, 0.4190** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.0908, 0.2368, 0.2188**, and the grayscale version is **58.9419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1162, 0.3567, 0.4018**, and **30.8708, 0.3975, 0.4407** is the 20% darker color. If you saturate the color by 10%, you get **58.8520, 0.3991, 0.4381**, and if you desaturate by 10%, it is **63.4126, 0.3654, 0.3982**.

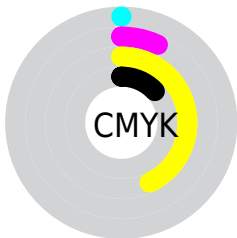
# Distribution



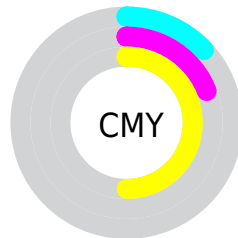
- Red (87%)
- Green (81%)
- Blue (50%)



- Red (57%)
- Yellow (87%)
- Blue (50%)



- Cyan (0%)
- Magenta (7%)
- Yellow (43%)
- Black (13%)




- Cyan (13%)
- Magenta (19%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.0471, 0.3825, 0.4190 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 61.0471, 0.3825, 0.4190 by changing the saturation by 10% instead.




 61.0471, 0.3825,  
0.4190


 61.0471, 0.3825,  
0.4190

428.4467, 0.3504,  
0.3765

 44.2632, 0.3895,  
0.4287


 106.3471, 0.3715,  
0.4042

 30.8775, 0.3979,  
0.4404


 135.6320, 0.3672,  
0.3985

 20.5056, 0.4080,  
0.4550


 169.8527, 0.3635,  
0.3935

 12.7631, 0.4200,  
0.4732

209.3936, 0.3602,  
0.3892

 7.2656, 0.4338,  
0.4957

254.6390, 0.3573,  
0.3854

 3.6288, 0.4613,  
0.5387

305.9734, 0.3547,

 1.4681, 0.4519,

0.3821

0.5481

363.7812, 0.3524,  
0.3791

0.2661, 0.3011,  
0.6989

0.0000, 0.0000,  
0.0000

61.0471, 0.3825,  
0.4190

61.0471, 0.3825,  
0.4190

58.8520, 0.3991,  
0.4381

63.4126, 0.3654,  
0.3982

56.8102, 0.4144,  
0.4546


65.9478, 0.3484,  
0.3766


54.9149, 0.4278,  
0.4674

68.6628, 0.3320,  
0.3551


53.1551, 0.4386,  
0.4758

71.5644, 0.3165,  
0.3342


 51.5175, 0.4466,  
0.4796

 74.6589, 0.3021,  
0.3143

 50.3606, 0.4511,  
0.4800

 77.6515, 0.2915,  
0.3002

 79.6082, 0.2916,  
0.3039

 81.6048, 0.2917,  
0.3076

 83.6417, 0.2918,  
0.3113

# Harmonies

## Analogous

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



61.0471, 0.4133, 0.3901



61.0471, 0.3825, 0.4190



61.0471, 0.3343, 0.4235

# Triad

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



61.0471, 0.3825, 0.4190



61.0471, 0.2195, 0.2939



61.0471, 0.3376, 0.2739

# Complementary

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



61.0471, 0.3825, 0.4190



29.0908, 0.2368, 0.2188

# 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.



61.0471, 0.2844, 0.2512



61.0471, 0.3825, 0.4190



61.0471, 0.2201, 0.2592

# Square

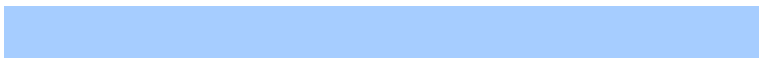
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



61.0471, 0.3825, 0.4190



61.0471, 0.2413, 0.3446



61.0471, 0.2426, 0.2453



61.0471, 0.3874, 0.3089



# Rectangle

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



61.0471, 0.3825, 0.4190



61.0471, 0.2993, 0.4082



61.0471, 0.2426, 0.2453



61.0471, 0.3194, 0.2647

# Sweetspot

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



61.0499, 0.3825, 0.4190



94.7088, 0.3329, 0.3563



32.5278, 0.4042, 0.3104



20.0888, 0.3365, 0.3610



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.



61.0499, 0.3825, 0.4190



81.6962, 0.3972, 0.4361



64.1728, 0.3512, 0.4432



14.8906, 0.3271, 0.3485



29.3831, 0.4505, 0.4805



2.0006, 0.4446, 0.4852



# Inverse Universe

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



29.0908, 0.2368, 0.2188



32.0585, 0.2191, 0.1912



27.7027, 0.2589, 0.2060



12.9519, 0.2981, 0.3087



3.8509, 0.1540, 0.0742



0.3559, 0.1613, 0.1005



# Previews

## White Background



This preview shows how the Yxy color 61.0471, 0.3825, 0.4190 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 61.0471, 0.3825, 0.4190 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

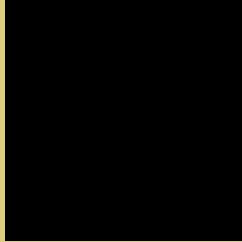
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.0471, 0.3825, 0.4190**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.0471, 0.3825, 0.4190.



This preview shows how white text looks on a background with the Yxy color 61.0471, 0.3825, 0.4190.

# 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

61.0471, 0.3825, 0.4190

### Protanopia

61.0422, 0.3854, 0.4171

### Deuteranopia

60.8390, 0.4079, 0.3999



## Tritanopia

61.0060, 0.3286, 0.3126

# Trichromacy



## Original Color

61.0471, 0.3825, 0.4190

## Protanomaly

60.8829, 0.3846, 0.4174

## Deuteranomaly

61.0442, 0.3990, 0.4072

## Tritanomaly

60.9347, 0.3496, 0.3517

# Monochromacy



## Original Color

61.0471, 0.3825, 0.4190

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

59.1778, 0.3380, 0.3636

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.0471, 0.3825, 0.4190 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(221, 206, 127)` looks like.

```
.text, #text, p{  
    color:rgb(221, 206, 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(221, 206, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 206, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 61.0471, 0.3825, 0.4190 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(221, 206, 127) }
```

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

```
.border{ border-color:rgb(221, 206, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 206, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 206, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 206, 127); box-shadow:4px 4px 4px 4px rgb(221, 206, 127) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.0471, 0.3825, 0.4190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 206, 127) }
```

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

```
.background{ background-color: rgb(221,  
206, 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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