

# Converting Colors

$Yxy(63.4453, 0.3809, 0.4533)$

Have a look what the booklet for  
Yxy(63.4453, 0.3809, 0.4533)  
contains.

<b>Yxy(63.7077, 0.3811, 0.4542)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(63.7077, 0.3811, 0.4542)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1D86A
RGB	209, 216, 106
RGB Percent	82%, 85%, 42%
CMY	0.1803, 0.1529, 0.5845
CMYK	0.03, 0.00, 0.51, 0.15
HSL	64°, 59%, 63%
HSV	64°, 51%, 85%
XYZ	53.4544, 63.7077, 23.1014
YIQ	201.3670, 31.1380, -35.6940

# Conversions

## Conversions Part 2

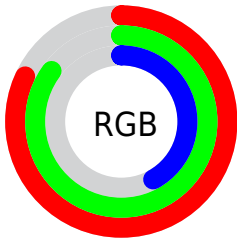
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">106, 216, 113</a>
Decimal	<a href="#">13752426</a>
CIELab	<a href="#">83.81, -17.51, 52.81</a>
CIELCh	<a href="#">84, 55.634, 108.348</a>
Yxy	<a href="#">63.7077, 0.3811, 0.4542</a>
Android (android.graphics.Color)	<a href="#">4291942506 (0xFFD1D86A)</a>
YUV	<a href="#">201.3670, -47.0159, 6.6941</a>
Hunter-Lab	<a href="#">79.8171, -20.1364, 38.7117</a>

# Details

The Yxy color **63.7077, 0.3811, 0.4542** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **18.7625, 0.2205, 0.1699**, and the grayscale version is **58.9322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3181, 0.3689, 0.4219**, and **32.4222, 0.3931, 0.4839** is the 20% darker color. If you saturate the color by 10%, you get **63.1176, 0.3913, 0.4742**, and if you desaturate by 10%, it is **64.4185, 0.3691, 0.4314**.

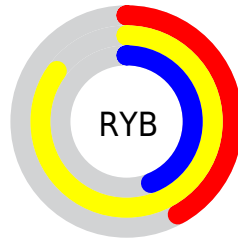
# Distribution



Red (82%)

Green (85%)

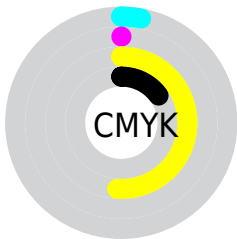
Blue (42%)



Red (42%)

Yellow (85%)

Blue (44%)

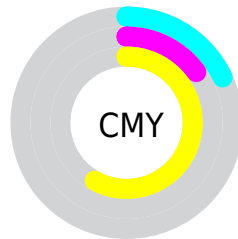


Cyan (3%)

Magenta (0%)

Yellow (51%)

Black (15%)



Cyan (18%)

Magenta (15%)


Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.7077, 0.3811, 0.4542 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 63.7077, 0.3811, 0.4542 by changing the saturation by 10% instead.





 63.7077, 0.3811,  
0.4542


 63.7077, 0.3811,  
0.4542


438.1333, 0.3517,  
0.3948

 46.4140, 0.3868,  
0.4675


 110.1899, 0.3716,  
0.4336


 32.5726, 0.3930,  
0.4837


 140.1471, 0.3677,  
0.4256

 21.7992, 0.3997,  
0.5034


 175.0943, 0.3642,  
0.4187

 13.7095, 0.4059,  
0.5274

 215.4158, 0.3611,  
0.4126

 7.9189, 0.4126,  
0.5603

261.4961, 0.3584,  
0.4073

 4.0431, 0.4076,  
0.5924

313.7195, 0.3559,

 1.6977, 0.3798,

0.4027

0.6202

372.4705, 0.3537,  
0.3985

0.4222, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

63.7077, 0.3811,  
0.4542

63.7077, 0.3811,  
0.4542

63.1176, 0.3913,  
0.4742

64.4185, 0.3691,  
0.4314

62.6308, 0.3993,  
0.4905


65.2490, 0.3558,  
0.4068

62.2403, 0.4047,  
0.5026


66.2092, 0.3419,  
0.3813

61.9342, 0.4074,  
0.5103

67.3057, 0.3278,  
0.3559


 61.7112, 0.4082,  
0.5141

 68.5445, 0.3140,  
0.3313

 69.9315, 0.3007,  
0.3078

 71.3324, 0.2896,  
0.2881

 71.5453, 0.2905,  
0.2882

 71.7599, 0.2914,  
0.2883

# Harmonies

## Analogous

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



63.7077, 0.4325, 0.4212



63.7077, 0.3811, 0.4542



63.7077, 0.3145, 0.4489

# Triad

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



63.7077, 0.3811, 0.4542



63.7077, 0.1905, 0.2625



63.7077, 0.3698, 0.2721

# Complementary

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



63.7077, 0.3811, 0.4542



18.7625, 0.2205, 0.1699

# 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.



63.7077, 0.2980, 0.2378



63.7077, 0.3811, 0.4542



63.7077, 0.2012, 0.2292

# Square

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



63.7077, 0.3811, 0.4542



63.7077, 0.2071, 0.3228



63.7077, 0.2380, 0.2221



63.7077, 0.4292, 0.3191



# Rectangle

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



63.7077, 0.3811, 0.4542



63.7077, 0.2707, 0.4182



63.7077, 0.2380, 0.2221



63.7077, 0.3459, 0.2589

# Sweetspot

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



63.7106, 0.3811, 0.4542



97.3195, 0.3337, 0.3665



27.1072, 0.4543, 0.3360



20.7579, 0.3367, 0.3719



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.



63.7106, 0.3811, 0.4542



91.8661, 0.3919, 0.4753



57.1678, 0.3385, 0.4747



14.4780, 0.3257, 0.3521



36.5442, 0.4083, 0.5140



2.2166, 0.4104, 0.5124



# Inverse Universe

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



18.7625, 0.2205, 0.1699



19.5005, 0.1990, 0.1343



23.4152, 0.2680, 0.1881



12.0459, 0.2991, 0.3050



3.0046, 0.1521, 0.0612



0.1947, 0.1588, 0.0648



# Previews

## White Background



This preview shows how the Yxy color 63.7077, 0.3811, 0.4542 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

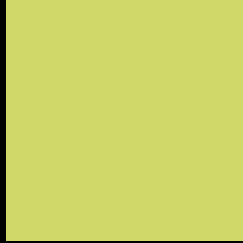
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.7077, 0.3811, 0.4542 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

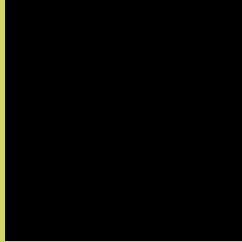
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.7077, 0.3811, 0.4542**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.7077, 0.3811, 0.4542.



This preview shows how white text looks on a background with the Yxy color 63.7077, 0.3811, 0.4542.

# 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

63.7077, 0.3811, 0.4542

### Protanopia

63.5893, 0.4041, 0.4412

### Deuteranopia

63.2991, 0.4242, 0.4154



## Tritanopia

63.7252, 0.3143, 0.3113

# Trichromacy



## Original Color

63.7077, 0.3811, 0.4542

## Protanomaly

63.7949, 0.3952, 0.4461

## Deuteranomaly

62.9656, 0.4086, 0.4294

## Tritanomaly

63.1181, 0.3406, 0.3625

# Monochromacy



## Original Color

63.7077, 0.3811, 0.4542

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

59.7332, 0.3401, 0.3772

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.7077, 0.3811, 0.4542 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, 216, 106)` looks like.

```
.text, #text, p{  
    color:rgb(209, 216, 106)  
}
```

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, 216, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 216, 106) }
```

## Border

The CSS property to change the border of an element to Yxy 63.7077, 0.3811, 0.4542 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, 216, 106) }
```

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

```
.border{ border-color:rgb(209, 216, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 216, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 216, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 216, 106);  
box-shadow:4px 4px 4px 4px rgb(209, 216,  
106) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.7077, 0.3811, 0.4542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 216, 106) }
```

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

```
.background{ background-color: rgb(209,  
216, 106) }
```

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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