

# Converting Colors

Yxy(63.3435, 0.3765, 0.4398)

Have a look what the booklet for  
Yxy(63.3435, 0.3765, 0.4398)  
contains.

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# Color

**Yxy(63.2500, 0.3765, 0.4395)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3D676
RGB	211, 214, 118
RGB Percent	83%, 84%, 46%
CMY	0.1725, 0.1608, 0.5374
CMYK	0.01, 0.00, 0.45, 0.16
HSL	62°, 54%, 65%
HSV	62°, 45%, 84%
XYZ	54.1834, 63.2500, 26.4801
YIQ	202.1590, 29.0280, -30.4920

# Conversions

## Conversions Part 2

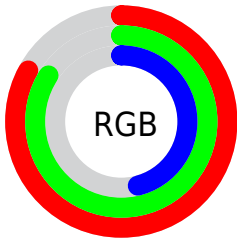
Format	Color
R <sub>YB</sub>	118, 214, 121
Decimal	13882998
CIE Lab	83.57, -14.61, 46.84
CIE LCh	84, 49.067, 107.327
Yxy	63.2500, 0.3765, 0.4395
Android (android.graphics.Color)	4292073078 (0xFFD3D676)
YUV	202.1590, -41.4904, 7.7536
Hunter-Lab	79.5299, -17.5658, 35.9298

# Details

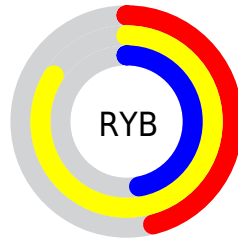
The Yxy color **63.2500, 0.3765, 0.4395** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.8642, 0.2307, 0.1905**, and the grayscale version is **59.4189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7586, 0.3620, 0.4105**, and **32.1701, 0.3891, 0.4649** is the 20% darker color. If you saturate the color by 10%, you get **62.7028, 0.3885, 0.4608**, and if you desaturate by 10%, it is **63.9187, 0.3631, 0.4159**.

# Distribution



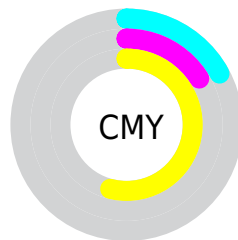
- Red (83%)
- Green (84%)
- Blue (46%)



- Red (46%)
- Yellow (84%)
- Blue (47%)



- Cyan (1%)
- Magenta (0%)
- Yellow (45%)
- Black (16%)




- Cyan (17%)
- Magenta (16%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.2500, 0.3765, 0.4395 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 63.2500, 0.3765, 0.4395 by changing the saturation by 10% instead.





 63.2500, 0.3765,  
0.4395

 63.2500, 0.3765,  
0.4395


436.4762, 0.3483,  
0.3868


 46.0435, 0.3822,  
0.4515


 109.5301, 0.3672,  
0.4212

 32.2801, 0.3888,  
0.4662


 139.3725, 0.3634,  
0.4140

 21.5756, 0.3963,  
0.4843


 174.1956, 0.3601,  
0.4079

 13.5454, 0.4042,  
0.5070

214.3839, 0.3572,  
0.4026

 7.8051, 0.4115,  
0.5355

260.3217, 0.3546,  
0.3979

 3.9705, 0.4208,  
0.5792

312.3934, 0.3523,

 1.6571, 0.3975,

0.3938

0.6025

370.9835, 0.3502,  
0.3901

0.3956, 0.0465,  
0.9535

0.0000, 0.0000,  
0.0000

63.2500, 0.3765,  
0.4395

63.2500, 0.3765,  
0.4395

62.7028, 0.3885,  
0.4608

63.9187, 0.3631,  
0.4159

62.2607, 0.3984,  
0.4788


64.7075, 0.3488,  
0.3910

61.9175, 0.4060,  
0.4928


65.6259, 0.3341,  
0.3657


61.6630, 0.4109,  
0.5024


66.6799, 0.3196,  
0.3408


 61.4846, 0.4133,  
0.5079

 67.8754, 0.3056,  
0.3169

 61.4114, 0.4139,  
0.5096

 69.2176, 0.2924,  
0.2943

 69.8620, 0.2875,  
0.2857

 69.9631, 0.2880,  
0.2857

 70.0647, 0.2884,  
0.2858

# Harmonies

## Analogous

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



63.2500, 0.4209, 0.4112



63.2500, 0.3765, 0.4395



63.2500, 0.3174, 0.4346

# Triad

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



63.2500, 0.3765, 0.4395



63.2500, 0.2030, 0.2721



63.2500, 0.3614, 0.2769

# Complementary

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



63.2500, 0.3765, 0.4395



21.8642, 0.2307, 0.1905

# 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.



63.2500, 0.2980, 0.2461



63.2500, 0.3765, 0.4395



63.2500, 0.2118, 0.2405

# Square

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



63.2500, 0.3765, 0.4395



63.2500, 0.2194, 0.3265



63.2500, 0.2446, 0.2328



63.2500, 0.4142, 0.3194



# Rectangle

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



63.2500, 0.3765, 0.4395



63.2500, 0.2780, 0.4086



63.2500, 0.2446, 0.2328



63.2500, 0.3403, 0.2650

# Sweetspot

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



63.2529, 0.3765, 0.4395



97.8514, 0.3316, 0.3613



28.9318, 0.4313, 0.3313



20.8737, 0.3348, 0.3670



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.



63.2529, 0.3765, 0.4395



93.2704, 0.3881, 0.4601



57.3339, 0.3390, 0.4551



14.4994, 0.3262, 0.3521



37.1277, 0.4140, 0.5095



2.2457, 0.4150, 0.5087



# Inverse Universe

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



21.8642, 0.2307, 0.1905



24.1189, 0.2103, 0.1565



26.0825, 0.2718, 0.2044



12.0269, 0.2986, 0.3049



2.9688, 0.1511, 0.0606



0.1857, 0.1543, 0.0624



# Previews

## White Background



This preview shows how the Yxy color 63.2500, 0.3765, 0.4395 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 63.2500, 0.3765, 0.4395 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

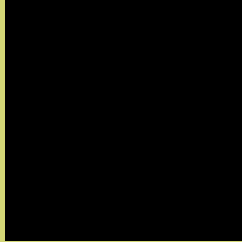
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.2500, 0.3765, 0.4395**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.2500, 0.3765, 0.4395.



This preview shows how white text looks on a background with the Yxy color 63.2500, 0.3765, 0.4395.

# 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

63.2500, 0.3765, 0.4395

### Protanopia

63.0307, 0.3956, 0.4297

### Deuteranopia

63.1346, 0.4164, 0.4079



## Tritanopia

62.8326, 0.3166, 0.3113

# Trichromacy



## Original Color

63.2500, 0.3765, 0.4395

## Protanomaly

62.9071, 0.3881, 0.4330

## Deuteranomaly

62.7434, 0.4018, 0.4181

## Tritanomaly

62.4254, 0.3395, 0.3567

# Monochromacy



## Original Color

63.2500, 0.3765, 0.4395

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

60.0620, 0.3372, 0.3710

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  63.2500, 0.3765, 0.4395 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(211, 214, 118)` looks like.

```
.text, #text, p{  
    color:rgb(211, 214, 118)  
}
```

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(211, 214, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 214, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 63.2500, 0.3765, 0.4395 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(211, 214, 118) }
```

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

```
.border{ border-color:rgb(211, 214, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 214, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(211, 214, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(211, 214, 118); box-shadow:4px 4px 4px 4px rgb(211, 214, 118) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.2500, 0.3765, 0.4395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 214, 118) }
```

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

```
.background{ background-color: rgb(211,  
214, 118) }
```

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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