

# Converting Colors

$Yxy(63.0401, 0.4018, 0.4820)$

Have a look what the booklet for  
Yxy(63.0401, 0.4018, 0.4820)  
contains.

<b>Yxy(63.0401, 0.4018, 0.4820)</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(63.0401, 0.4018, 0.4820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4D746
RGB	212, 215, 70
RGB Percent	83%, 84%, 27%
CMY	0.1688, 0.1568, 0.7254
CMYK	0.01, 0.00, 0.67, 0.16
HSL	61°, 64%, 56%
HSV	61°, 67%, 84%
XYZ	52.5509, 63.0401, 15.1976
YIQ	197.5730, 44.7570, -45.7310

# Conversions

## Conversions Part 2

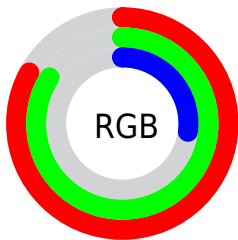
Format	Color
<a href="#">RYB</a>	<a href="#">70, 215, 73</a>
Decimal	<a href="#">13948742</a>
CIELab	<a href="#">83.46, -18.34, 67.74</a>
CIELCh	<a href="#">83, 70.183, 105.152</a>
Yxy	<a href="#">63.0401, 0.4018, 0.4820</a>
Android (android.graphics.Color)	<a href="#">4292138822 (0xFFD4D746)</a>
YUV	<a href="#">197.5730, -62.8935, 12.6525</a>
Hunter-Lab	<a href="#">79.3978, -20.8027, 44.2297</a>

# Details

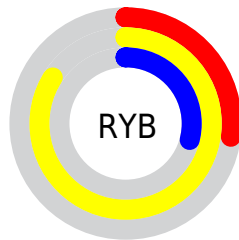
The Yxy color **63.0401, 0.4018, 0.4820** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **10.7116, 0.1843, 0.1147**, and the grayscale version is **56.5686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2864, 0.3869, 0.4517**, and **32.0116, 0.4129, 0.5104** is the 20% darker color. If you saturate the color by 10%, you get **62.7511, 0.4088, 0.4947**, and if you desaturate by 10%, it is **63.4323, 0.3922, 0.4652**.

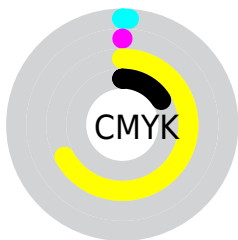
# Distribution



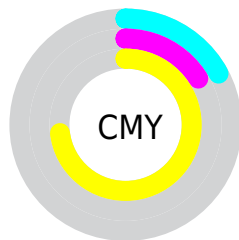
- Red (83%)
- Green (84%)
- Blue (27%)



- Red (27%)
- Yellow (84%)
- Blue (29%)



- Cyan (1%)
- Magenta (0%)
- Yellow (67%)
- Black (16%)




- Cyan (17%)
- Magenta (16%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.0401, 0.4018, 0.4820 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 63.0401, 0.4018, 0.4820 by changing the saturation by 10% instead.




 63.0401, 0.4018,  
0.4820


 63.0401, 0.4018,  
0.4820


435.7150, 0.3654,  
0.4115


 45.8736, 0.4079,  
0.4967

 109.2274, 0.3908,  
0.4584


 32.1461, 0.4140,  
0.5138


 139.0170, 0.3860,  
0.4489


 21.4731, 0.4192,  
0.5332


 173.7831, 0.3816,  
0.4406

 13.4703, 0.4231,  
0.5562

 213.9101, 0.3777,  
0.4333

 7.7532, 0.4205,  
0.5795

 259.7824, 0.3741,  
0.4269

 3.9374, 0.4030,  
0.5970

311.7844, 0.3709,

 1.6386, 0.3731,

0.4212

0.6269

370.3004, 0.3680,  
0.4161

■ 0.3834, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.0401, 0.4018,  
0.4820

■ 63.0401, 0.4018,  
0.4820

■ 62.7511, 0.4088,  
0.4947

■ 63.4323, 0.3922,  
0.4652

■ 62.5456, 0.4133,  
0.5031

■ 63.9283, 0.3806,  
0.4448

■ 62.4118, 0.4153,  
0.5074

■ 64.5391, 0.3673,  
0.4219

■ 62.3825, 0.4156,  
0.5082

■ 65.2724, 0.3529,  
0.3974

■ 66.1347, 0.3382,  
0.3722

■ 67.1325, 0.3234,  
0.3471

■ 68.2716, 0.3091,  
0.3229

■ 69.5576, 0.2955,  
0.2999

■ 70.4328, 0.2878,  
0.2868

# Harmonies

## Analogous

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



63.0401, 0.4643, 0.4319



63.0401, 0.4018, 0.4820



63.0401, 0.3205, 0.4882

# Triad

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



63.0401, 0.4018, 0.4820



63.0401, 0.1646, 0.2502



63.0401, 0.3743, 0.2535

# Complementary

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



63.0401, 0.4018, 0.4820



10.7116, 0.1843, 0.1147

# 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.



63.0401, 0.2841, 0.2150



63.0401, 0.4018, 0.4820



63.0401, 0.1743, 0.2085

# Square

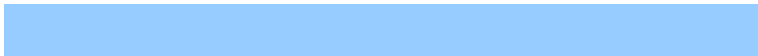
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.0401, 0.4018, 0.4820



63.0401, 0.1864, 0.3285



63.0401, 0.2141, 0.1987



63.0401, 0.4539, 0.3076



# Rectangle

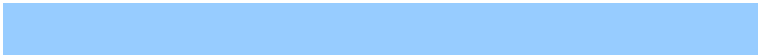
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.0401, 0.4018, 0.4820



63.0401, 0.2661, 0.4535



63.0401, 0.2141, 0.1987



63.0401, 0.3435, 0.2385

# Sweetspot

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



63.0430, 0.4018, 0.4820



96.9368, 0.3423, 0.3792



19.5853, 0.5337, 0.3320



20.6704, 0.3465, 0.3863



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.



63.0430, 0.4018, 0.4820



92.1825, 0.4111, 0.4989



54.6360, 0.3441, 0.5188



14.5060, 0.3263, 0.3521



37.3127, 0.4157, 0.5081



2.2548, 0.4164, 0.5076



# Inverse Universe

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



10.7116, 0.1843, 0.1147



10.1222, 0.1631, 0.0802



15.3062, 0.2435, 0.1426



12.0210, 0.2985, 0.3049



2.9577, 0.1507, 0.0604



0.1829, 0.1530, 0.0616



# Previews

## White Background



This preview shows how the Yxy color 63.0401, 0.4018, 0.4820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

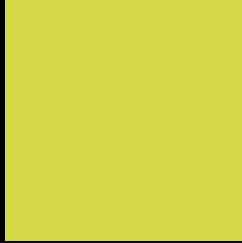
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.0401, 0.4018, 0.4820 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 63.0401, 0.4018, 0.4820**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.0401, 0.4018, 0.4820.



This preview shows how white text looks on a background with the Yxy color 63.0401, 0.4018, 0.4820.

# 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

63.0401, 0.4018, 0.4820

### Protanopia

62.8527, 0.4249, 0.4668

### Deuteranopia

62.5300, 0.4346, 0.4270



## Tritanopia

62.7906, 0.3197, 0.3114

# Trichromacy



## Original Color

63.0401, 0.4018, 0.4820

## Protanomaly

63.0258, 0.4157, 0.4727

## Deuteranomaly

62.2410, 0.4231, 0.4467

## Tritanomaly

62.0386, 0.3547, 0.3775

# Monochromacy



## Original Color

63.0401, 0.4018, 0.4820

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

58.1166, 0.3508, 0.3935

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.0401, 0.4018, 0.4820 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, 215, 70)` looks like.

```
.text, #text, p{  
    color:rgb(212, 215, 70)  
}
```

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, 215, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 215, 70) }
```

## Border

The CSS property to change the border of an element to Yxy 63.0401, 0.4018, 0.4820 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, 215, 70) }
```

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

```
.border{ border-color:rgb(212, 215, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 215, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 215, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 215, 70);  
box-shadow:4px 4px 4px 4px rgb(212, 215,  
70) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.0401, 0.4018, 0.4820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 215, 70) }
```

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

```
.background{ background-color: rgb(212,  
215, 70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor