

# Converting Colors

Yxy(63.4947, 0.4021, 0.4920)

Have a look what the booklet for  
Yxy(63.4947, 0.4021, 0.4920)  
contains.

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# Color

**Yxy(63.4968, 0.4021, 0.4920)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1D93B
RGB	209, 217, 59
RGB Percent	82%, 85%, 23%
CMY	0.1805, 0.1490, 0.7684
CMYK	0.04, 0.00, 0.73, 0.15
HSL	63°, 68%, 54%
HSV	63°, 73%, 85%
XYZ	51.8944, 63.4968, 13.6673
YIQ	196.5960, 45.9500, -50.8340

# Conversions

## Conversions Part 2

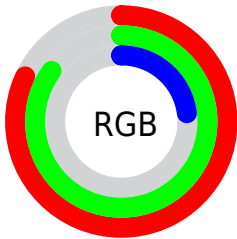
<b>Format</b>	<b>Color</b>
<b>RYB</b>	59, 217, 67
Decimal	13752635
CIELab	83.70, -21.09, 71.76
CIELCh	84, 74.798, 106.379
Yxy	63.4968, 0.4021, 0.4920
Android (android.graphics.Color)	4291942715 (0xFFD1D93B)
YUV	196.5960, -67.8348, 10.8783
Hunter-Lab	79.6849, -23.2012, 45.6102

# Details

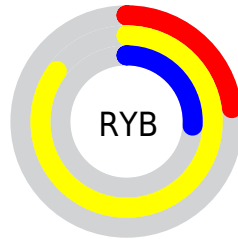
The Yxy color **63.4968, 0.4021, 0.4920** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **9.3421, 0.1777, 0.1012**, and the grayscale version is **55.9788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0644, 0.3912, 0.4588**, and **32.4200, 0.4076, 0.5145** is the 20% darker color. If you saturate the color by 10%, you get **63.1588, 0.4072, 0.5030**, and if you desaturate by 10%, it is **63.9353, 0.3944, 0.4767**.

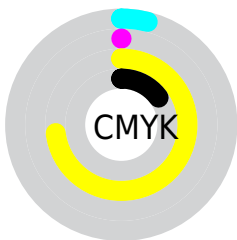
# Distribution



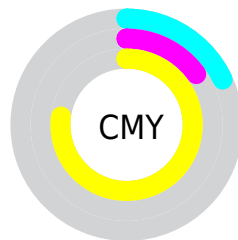
- Red (82%)
- Green (85%)
- Blue (23%)



- Red (23%)
- Yellow (85%)
- Blue (26%)



- Cyan (4%)
- Magenta (0%)
- Yellow (73%)
- Black (15%)




- Cyan (18%)
- Magenta (15%)
- Yellow (77%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4968, 0.4021, 0.4920 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 63.4968, 0.4021, 0.4920 by changing the saturation by 10% instead.




 63.4968, 0.4021,  
0.4920


 63.4968, 0.4021,  
0.4920


437.3702, 0.3667,  
0.4172


 46.2432, 0.4076,  
0.5074


 109.8859, 0.3917,  
0.4671


 32.4378, 0.4126,  
0.5250


 139.7903, 0.3871,  
0.4571


 21.6961, 0.4163,  
0.5449

 174.6803, 0.3828,  
0.4483

 13.6338, 0.4193,  
0.5702

 214.9405, 0.3790,  
0.4405

 7.8664, 0.4105,  
0.5895

 260.9552, 0.3755,  
0.4337

 4.0096, 0.3905,  
0.6095

313.1088, 0.3723,

 1.6789, 0.3564,

0.4276

0.6436

371.7857, 0.3693,  
0.4221

0.4100, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

63.4968, 0.4021,  
0.4920

63.4968, 0.4021,  
0.4920

63.1588, 0.4072,  
0.5030

63.9353, 0.3944,  
0.4767

62.9002, 0.4098,  
0.5096

64.4759, 0.3843,  
0.4576

62.7495, 0.4104,  
0.5123

65.1305, 0.3723,  
0.4354

65.9071, 0.3590,  
0.4112

66.8129, 0.3450,  
0.3859

67.8547, 0.3307,  
0.3605

69.0387, 0.3166,  
0.3357

70.3708, 0.3030,  
0.3120

71.8565, 0.2902,  
0.2898

# Harmonies

## Analogous

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



63.4968, 0.4700, 0.4383



63.4968, 0.4021, 0.4920



63.4968, 0.3161, 0.4981

# Triad

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



63.4968, 0.4021, 0.4920



63.4968, 0.1570, 0.2425



63.4968, 0.3818, 0.2514

# Complementary

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



63.4968, 0.4021, 0.4920



9.3421, 0.1777, 0.1012

# 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.



63.4968, 0.2857, 0.2105



63.4968, 0.4021, 0.4920



63.4968, 0.1685, 0.2010

# Square

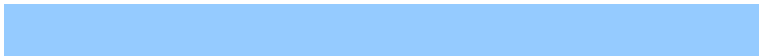
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.4968, 0.4021, 0.4920



63.4968, 0.1778, 0.3236



63.4968, 0.2111, 0.1924



63.4968, 0.4654, 0.3081



# Rectangle

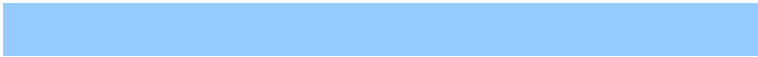
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.4968, 0.4021, 0.4920



63.4968, 0.2592, 0.4593



63.4968, 0.2111, 0.1924



63.4968, 0.3490, 0.2356

# Sweetspot

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



63.4997, 0.4021, 0.4920



96.3621, 0.3441, 0.3845



19.0800, 0.5544, 0.3367



20.5442, 0.3480, 0.3914



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.



63.4997, 0.4021, 0.4920



90.8145, 0.4088, 0.5068



54.7042, 0.3402, 0.5342



15.2284, 0.3259, 0.3522



37.9959, 0.4105, 0.5122



2.4721, 0.4120, 0.5110



# Inverse Universe

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



9.3421, 0.1777, 0.1012



8.8610, 0.1588, 0.0716



14.2505, 0.2419, 0.1329



12.6486, 0.2989, 0.3049



3.0895, 0.1517, 0.0609



0.2115, 0.1568, 0.0637



# Previews

## White Background



This preview shows how the Yxy color 63.4968, 0.4021, 0.4920 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 63.4968, 0.4021, 0.4920 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 63.4968, 0.4021, 0.4920**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.4968, 0.4021, 0.4920.



This preview shows how white text looks on a background with the Yxy color 63.4968, 0.4021, 0.4920.

# 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

63.4968, 0.4021, 0.4920

### Protanopia

63.3888, 0.4291, 0.4733

### Deuteranopia

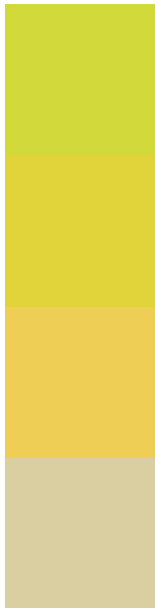
63.0269, 0.4327, 0.4263



## Tritanopia

62.9910, 0.3174, 0.3114

# Trichromacy



**Original Color**

63.4968, 0.4021, 0.4920

**Protanomaly**

63.4000, 0.4191, 0.4800

**Deuteranomaly**

62.9756, 0.4225, 0.4512

**Tritanomaly**

62.0691, 0.3557, 0.3835

# Monochromacy



**Original Color**

63.4968, 0.4021, 0.4920

**Achromatopsia**

55.8340, 0.3127, 0.3290

**Achromatomaly**

57.7098, 0.3521, 0.3988

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.4968, 0.4021, 0.4920 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, 217, 59)` looks like.

```
.text, #text, p{  
    color:rgb(209, 217, 59)  
}
```

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, 217, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 217, 59) }
```

## Border

The CSS property to change the border of an element to Yxy 63.4968, 0.4021, 0.4920 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, 217, 59) }
```

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

```
.border{ border-color:rgb(209, 217, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 217, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 217, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 217, 59);  
box-shadow:4px 4px 4px 4px rgb(209, 217,  
59) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.4968, 0.4021, 0.4920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 217, 59) }
```

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

```
.background{ background-color: rgb(209,  
217, 59) }
```

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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