

# Converting Colors

Yxy(64.8065, 0.3943, 0.4676)

Have a look what the booklet for  
Yxy(64.8065, 0.3943, 0.4676)  
contains.

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# Color

**Yxy(64.7941, 0.3945, 0.4678)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7D959
RGB	215, 217, 89
RGB Percent	84%, 85%, 35%
CMY	0.1568, 0.1490, 0.6511
CMYK	0.01, 0.00, 0.59, 0.15
HSL	61°, 63%, 60%
HSV	61°, 59%, 85%
XYZ	54.6415, 64.7941, 19.0726
YIQ	201.8100, 39.8960, -40.2320

# Conversions

## Conversions Part 2

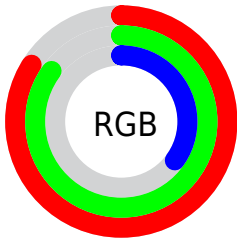
Format	Color
<a href="#">RYB</a>	<a href="#">89, 217, 91</a>
Decimal	<a href="#">14145881</a>
CIELab	<a href="#">84.38, -16.91, 61.16</a>
CIELCh	<a href="#">84, 63.456, 105.458</a>
Yxy	<a href="#">64.7941, 0.3945, 0.4678</a>
Android (android.graphics.Color)	<a href="#">4292335961 (0xFFD7D959)</a>
YUV	<a href="#">201.8100, -55.6153, 11.5676</a>
Hunter-Lab	<a href="#">80.4948, -19.6965, 42.2981</a>

# Details

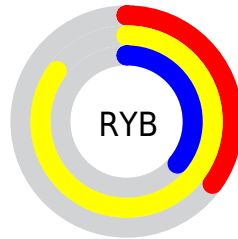
The Yxy color **64.7941, 0.3945, 0.4678** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **14.3743, 0.1998, 0.1407**, and the grayscale version is **59.2739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7936, 0.3777, 0.4365**, and **33.1130, 0.4071, 0.4977** is the 20% darker color. If you saturate the color by 10%, you get **64.4336, 0.4038, 0.4839**, and if you desaturate by 10%, it is **65.2681, 0.3830, 0.4481**.

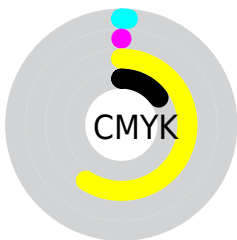
# Distribution



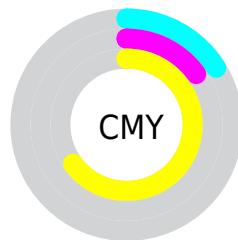
- Red (84%)
- Green (85%)
- Blue (35%)



- Red (35%)
- Yellow (85%)
- Blue (36%)



- Cyan (1%)
- Magenta (0%)
- Yellow (59%)
- Black (15%)




- Cyan (16%)
- Magenta (15%)
- Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7941, 0.3945, 0.4678 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 64.7941, 0.3945, 0.4678 by changing the saturation by 10% instead.





 64.7941, 0.3945,  
0.4678

 64.7941, 0.3945,  
0.4678


442.0517, 0.3601,  
0.4033


 47.2941, 0.4007,  
0.4817


 111.7538, 0.3837,  
0.4459

 33.2682, 0.4074,  
0.4981


 141.9823, 0.3792,  
0.4372

 22.3320, 0.4140,  
0.5173


 177.2225, 0.3751,  
0.4297

 14.1011, 0.4192,  
0.5396

 217.8587, 0.3714,  
0.4231

 8.1910, 0.4270,  
0.5730

264.2753, 0.3682,  
0.4172

 4.2174, 0.4116,  
0.5884

316.8567, 0.3652,

 1.7959, 0.3856,

0.4121

0.6144

375.9874, 0.3625,  
0.4075

0.4846, 0.0897,  
0.9103

0.0000, 0.0000,  
0.0000

64.7941, 0.3945,  
0.4678

64.7941, 0.3945,  
0.4678

64.4336, 0.4038,  
0.4839

65.2681, 0.3830,  
0.4481

64.1679, 0.4105,  
0.4958


65.8552, 0.3698,  
0.4256

63.9884, 0.4146,  
0.5033


66.5661, 0.3555,  
0.4013

63.8769, 0.4165,  
0.5071


67.4079, 0.3407,  
0.3761


 63.8670, 0.4166,  
0.5074

 68.3870, 0.3258,  
0.3510

 69.5095, 0.3113,  
0.3266

 70.7812, 0.2975,  
0.3034

 71.7093, 0.2890,  
0.2891

 71.7615, 0.2892,  
0.2891

# Harmonies

## Analogous

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



64.7941, 0.4505, 0.4252



64.7941, 0.3945, 0.4678



64.7941, 0.3206, 0.4698

# Triad

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



64.7941, 0.3945, 0.4678



64.7941, 0.1773, 0.2583



64.7941, 0.3692, 0.2609

# Complementary

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



64.7941, 0.3945, 0.4678



14.3743, 0.1998, 0.1407

# 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.



64.7941, 0.2882, 0.2250



64.7941, 0.3945, 0.4678



64.7941, 0.1863, 0.2194

# Square

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



64.7941, 0.3945, 0.4678



64.7941, 0.1978, 0.3287



64.7941, 0.2238, 0.2098



64.7941, 0.4398, 0.3112



# Rectangle

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



64.7941, 0.3945, 0.4678



64.7941, 0.2711, 0.4382



64.7941, 0.2238, 0.2098



64.7941, 0.3417, 0.2469

# Sweetspot

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



64.7971, 0.3945, 0.4678



97.2529, 0.3394, 0.3740



22.6147, 0.4953, 0.3295



20.7345, 0.3438, 0.3814



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.



64.7971, 0.3945, 0.4678



92.7423, 0.4058, 0.4875



57.1203, 0.3449, 0.4956



15.2530, 0.3264, 0.3521



38.6647, 0.4166, 0.5074



2.5083, 0.4171, 0.5070



# Inverse Universe

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



14.3743, 0.1998, 0.1407



13.6792, 0.1767, 0.1027



18.9230, 0.2522, 0.1632



12.6268, 0.2983, 0.3048



3.0501, 0.1505, 0.0603



0.2011, 0.1521, 0.0612



# Previews

## White Background



This preview shows how the Yxy color 64.7941, 0.3945, 0.4678 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 64.7941, 0.3945, 0.4678 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 64.7941, 0.3945, 0.4678**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.7941, 0.3945, 0.4678.



This preview shows how white text looks on a background with the Yxy color 64.7941, 0.3945, 0.4678.

# 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

64.7941, 0.3945, 0.4678

### Protanopia

64.7691, 0.4147, 0.4557

### Deuteranopia

64.2942, 0.4210, 0.4146



## Tritanopia

64.8470, 0.3196, 0.3117

# Trichromacy



## Original Color

64.7941, 0.3945, 0.4678

## Protanomaly

64.6240, 0.4072, 0.4598

## Deuteranomaly

64.1915, 0.4115, 0.4341

## Tritanomaly

64.2675, 0.3504, 0.3711

# Monochromacy



## Original Color

64.7941, 0.3945, 0.4678

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

60.4643, 0.3460, 0.3840

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.7941, 0.3945, 0.4678 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(215, 217, 89)` looks like.

```
.text, #text, p{  
    color:rgb(215, 217, 89)  
}
```

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(215, 217, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 217, 89) }
```

## Border

The CSS property to change the border of an element to Yxy 64.7941, 0.3945, 0.4678 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(215, 217, 89) }
```

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

```
.border{ border-color:rgb(215, 217, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 217, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 217, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 217, 89);  
box-shadow:4px 4px 4px 4px rgb(215, 217,  
89) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.7941, 0.3945, 0.4678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 217, 89) }
```

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

```
.background{ background-color: rgb(215,  
217, 89) }
```

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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