

# Converting Colors

$Yxy(60.6341, 0.4405, 0.4320)$

Have a look what the booklet for  
Yxy(60.6341, 0.4405, 0.4320)  
contains.

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# Color

**Yxy(60.6341, 0.4405, 0.4320)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDC359
RGB	253, 195, 89
RGB Percent	99%, 76%, 35%
CMY	0.0078, 0.2353, 0.6510
CMYK	0.00, 0.23, 0.65, 0.01
HSL	39°, 98%, 67%
HSV	39°, 65%, 99%
XYZ	61.8271, 60.6341, 17.8955
YIQ	200.2580, 68.5940, -20.6700

# Conversions

## Conversions Part 2

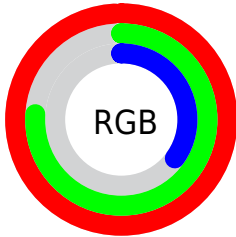
Format	Color
<a href="#">RYB</a>	<a href="#">179, 253, 89</a>
Decimal	<a href="#">16630617</a>
CIELab	<a href="#">82.18, 10.03, 59.73</a>
CIELCh	<a href="#">82, 60.562, 80.465</a>
Yxy	<a href="#">60.6341, 0.4405, 0.4320</a>
Android (android.graphics.Color)	<a href="#">4294820697</a> ( <a href="#">0xFFFD359</a> )
YUV	<a href="#">200.2580, -54.8502, 46.2547</a>
Hunter-Lab	<a href="#">77.8679, 5.4602, 40.8816</a>

# Details

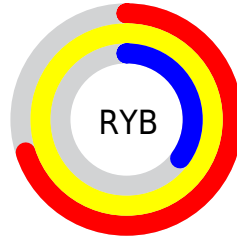
The Yxy color **60.6341, 0.4405, 0.4320** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **30.0826, 0.2025, 0.1887**, and the grayscale version is **58.2411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2375, 0.3798, 0.4341**, and **30.7990, 0.4663, 0.4494** is the 20% darker color. If you saturate the color by 10%, you get **56.3923, 0.4610, 0.4407**, and if you desaturate by 10%, it is **65.2681, 0.4187, 0.4195**.

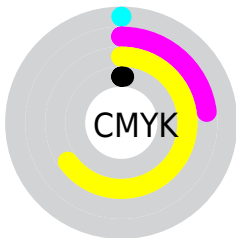
# Distribution



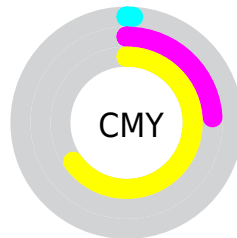
- Red (99%)
- Green (76%)
- Blue (35%)



- Red (70%)
- Yellow (99%)
- Blue (35%)



- Cyan (0%)
- Magenta (23%)
- Yellow (65%)
- Black (1%)



- Cyan (1%)
- Magenta (24%)
- Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.6341, 0.4405, 0.4320 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 60.6341, 0.4405, 0.4320 by changing the saturation by 10% instead.




 60.6341, 0.4405,  
0.4320


 60.6341, 0.4405,  
0.4320


426.9311, 0.3826,  
0.3880

 43.9299, 0.4525,  
0.4402


 105.7490, 0.4212,  
0.4180

 30.6154, 0.4663,  
0.4492


 134.9285, 0.4135,  
0.4121

 20.3062, 0.4820,  
0.4586


 169.0352, 0.4067,  
0.4069

 12.6178, 0.4993,  
0.4670

 208.4535, 0.4007,  
0.4023

 7.1659, 0.5227,  
0.4773

253.5679, 0.3954,  
0.3981

 3.5661, 0.5316,  
0.4684

304.7627, 0.3906,

 1.4339, 0.5467,

0.3944

0.4533

362.4223, 0.3864,  
0.3910

0.2415, 0.6627,  
0.3373

0.0000, 0.0000,  
0.0000

60.6341, 0.4405,  
0.4320

60.6341, 0.4405,  
0.4320

56.3923, 0.4610,  
0.4407

65.2681, 0.4187,  
0.4195

52.5139, 0.4792,  
0.4445

70.3029, 0.3967,  
0.4043

48.9783, 0.4940,  
0.4430

75.7574, 0.3754,  
0.3876

47.2667, 0.5007,  
0.4407

81.6462, 0.3554,  
0.3704

■ 87.9831, 0.3369,  
0.3532

■ 94.7810, 0.3202,  
0.3367

■ 99.6232, 0.3115,  
0.3290

# Harmonies

## Analogous

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



60.6341, 0.4662, 0.3777



60.6341, 0.4405, 0.4320



60.6341, 0.3817, 0.4684

# Triad

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



60.6341, 0.4405, 0.4320



60.6341, 0.1948, 0.3157



60.6341, 0.3015, 0.2317

# Complementary

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



60.6341, 0.4405, 0.4320



30.0826, 0.2025, 0.1887

# 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.



60.6341, 0.2345, 0.2131



60.6341, 0.4405, 0.4320



60.6341, 0.1795, 0.2515

# Square

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



60.6341, 0.4405, 0.4320



60.6341, 0.2400, 0.3986



60.6341, 0.1931, 0.2183



60.6341, 0.3811, 0.2698



# Rectangle

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



60.6341, 0.4405, 0.4320



60.6341, 0.3332, 0.4696



60.6341, 0.1931, 0.2183



60.6341, 0.2768, 0.2231

# Sweetspot

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



60.6371, 0.4405, 0.4320



86.8142, 0.3444, 0.3603



30.2022, 0.4444, 0.2710



18.1885, 0.3498, 0.3653



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.



60.6371, 0.4405, 0.4320



56.1029, 0.4672, 0.4425



87.9852, 0.3871, 0.4870



19.9463, 0.3278, 0.3443



25.4282, 0.4990, 0.4420

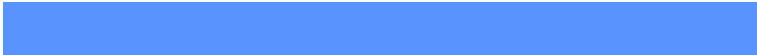


2.6818, 0.4875, 0.4511



# Inverse Universe

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



30.0826, 0.2025, 0.1887



23.0978, 0.1839, 0.1561



17.6077, 0.1984, 0.1255



18.4286, 0.2979, 0.3132



7.8626, 0.1647, 0.1128



0.9622, 0.1709, 0.1353



# Previews

## White Background



This preview shows how the Yxy color 60.6341, 0.4405, 0.4320 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 60.6341, 0.4405, 0.4320 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 60.6341, 0.4405, 0.4320**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.6341, 0.4405, 0.4320.



This preview shows how white text looks on a background with the Yxy color 60.6341, 0.4405, 0.4320.

# 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

60.6341, 0.4405, 0.4320

### Protanopia

60.7662, 0.4103, 0.4497

### Deuteranopia

60.8223, 0.4413, 0.4316



## Tritanopia

60.4550, 0.3614, 0.3167

# Trichromacy



**Original Color**

60.6341, 0.4405, 0.4320

**Protanomaly**

60.3615, 0.4210, 0.4430

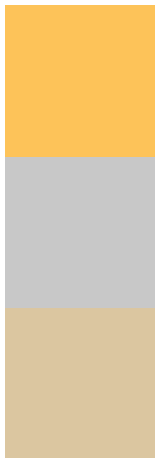
**Deuteranomaly**

60.8223, 0.4413, 0.4316

**Tritanomaly**

59.9346, 0.3938, 0.3618

# Monochromacy



**Original Color**

60.6341, 0.4405, 0.4320

**Achromatopsia**

57.7580, 0.3127, 0.3290

**Achromatomaly**

57.9863, 0.3591, 0.3735

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.6341, 0.4405, 0.4320 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(253, 195, 89)` looks like.

```
.text, #text, p{  
    color:rgb(253, 195, 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(253, 195, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 195, 89) }
```

## Border

The CSS property to change the border of an element to Yxy 60.6341, 0.4405, 0.4320 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(253, 195, 89) }
```

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

```
.border{ border-color:rgb(253, 195, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 195, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 195, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 195, 89);  
box-shadow:4px 4px 4px 4px rgb(253, 195,  
89) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.6341, 0.4405, 0.4320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 195, 89) }
```

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

```
.background{ background-color: rgb(253,  
195, 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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