

# Converting Colors

$Yxy(72.0652, 0.4807, 0.4142)$

Have a look what the booklet for  
Yxy(72.0652, 0.4807, 0.4142)  
contains.

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# Color

**Yxy(61.4117, 0.4431, 0.4342)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC456
RGB	255, 196, 86
RGB Percent	100%, 77%, 34%
CMY	0.0000, 0.2314, 0.6627
CMYK	0.00, 0.23, 0.66, 0.00
HSL	39°, 100%, 67%
HSV	39°, 66%, 100%
XYZ	62.6705, 61.4117, 17.3543
YIQ	201.1010, 70.4740, -21.7020

# Conversions

## Conversions Part 2

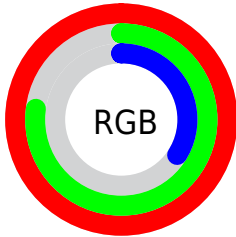
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">177, 255, 86</a>
Decimal	<a href="#">16761942</a>
CIELab	<a href="#">82.60, 10.19, 61.56</a>
CIELCh	<a href="#">83, 62.400, 80.600</a>
Yxy	<a href="#">61.4117, 0.4431, 0.4342</a>
Android (android.graphics.Color)	<a href="#">4294952022</a> ( <a href="#">0xFFFFC456</a> )
YUV	<a href="#">201.1010, -56.7448, 47.2694</a>
Hunter-Lab	<a href="#">78.3656, 5.6100, 41.7260</a>

# Details

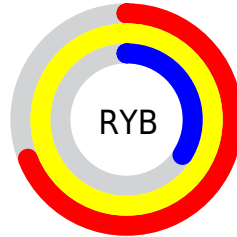
The Yxy color **61.4117, 0.4431, 0.4342** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **29.4528, 0.2000, 0.1840**, and the grayscale version is **58.7960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7743, 0.3810, 0.4376**, and **31.2080, 0.4678, 0.4519** is the 20% darker color. If you saturate the color by 10%, you get **57.1687, 0.4631, 0.4423**, and if you desaturate by 10%, it is **66.0307, 0.4216, 0.4221**.

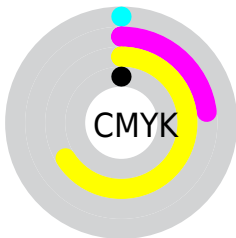
# Distribution



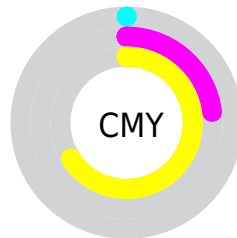
- Red (100%)
- Green (77%)
- Blue (34%)



- Red (69%)
- Yellow (100%)
- Blue (34%)



- Cyan (0%)
- Magenta (23%)
- Yellow (66%)
- Black (0%)




- Cyan (0%)
- Magenta (23%)
- Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.4117, 0.4431, 0.4342 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 61.4117, 0.4431, 0.4342 by changing the saturation by 10% instead.





 61.4117, 0.4431,  
0.4342


 61.4117, 0.4431,  
0.4342


429.7819, 0.3844,  
0.3896

 44.5575, 0.4551,  
0.4424


 106.8748, 0.4237,  
0.4201


 31.1090, 0.4688,  
0.4513


 136.2525, 0.4158,  
0.4142

 20.6819, 0.4844,  
0.4604


 170.5736, 0.4089,  
0.4089

 12.8917, 0.5014,  
0.4685

 210.2223, 0.4028,  
0.4042

 7.3540, 0.5229,  
0.4771

255.5831, 0.3974,  
0.4000

 3.6845, 0.5318,  
0.4682

307.0403, 0.3926,

 1.4987, 0.5467,

0.3962

0.4533

364.9785, 0.3883,  
0.3927

0.2878, 0.6448,  
0.3552

0.0000, 0.0000,  
0.0000

61.4117, 0.4431,  
0.4342

61.4117, 0.4431,  
0.4342

57.1687, 0.4631,  
0.4423

66.0307, 0.4216,  
0.4221

53.2947, 0.4806,  
0.4455

71.0571, 0.3997,  
0.4072

49.7604, 0.4947,  
0.4433

76.5027, 0.3783,  
0.3905

48.5181, 0.4994,  
0.4416

82.3824, 0.3581,  
0.3732

■ 88.7103, 0.3395,  
0.3559

■ 95.4995, 0.3225,  
0.3391

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



61.4117, 0.4700, 0.3785



61.4117, 0.4431, 0.4342



61.4117, 0.3826, 0.4720

# Triad

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



61.4117, 0.4431, 0.4342



61.4117, 0.1920, 0.3147



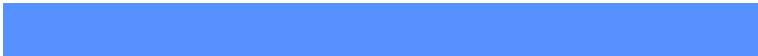
61.4117, 0.3014, 0.2297

# Complementary

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



61.4117, 0.4431, 0.4342



29.4528, 0.2000, 0.1840

# 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.



61.4117, 0.2329, 0.2107



61.4117, 0.4431, 0.4342



61.4117, 0.1767, 0.2493

# Square

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



61.4117, 0.4431, 0.4342



61.4117, 0.2379, 0.4002



61.4117, 0.1906, 0.2157



61.4117, 0.3831, 0.2686



# Rectangle

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



61.4117, 0.4431, 0.4342



61.4117, 0.3330, 0.4735



61.4117, 0.1906, 0.2157



61.4117, 0.2761, 0.2209

# Sweetspot

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



61.4073, 0.4431, 0.4342



86.2993, 0.3462, 0.3623



29.9648, 0.4531, 0.2732



18.0913, 0.3515, 0.3671



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.



61.4073, 0.4431, 0.4342



55.6839, 0.4700, 0.4441



88.9571, 0.3861, 0.4909



19.9604, 0.3278, 0.3444



25.6423, 0.4978, 0.4430



2.7016, 0.4865, 0.4519



# Inverse Universe

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



29.4528, 0.2000, 0.1840



21.8998, 0.1812, 0.1503



17.2781, 0.1974, 0.1219



18.4151, 0.2979, 0.3131



7.7608, 0.1644, 0.1116



0.9511, 0.1706, 0.1341



# Previews

## White Background



This preview shows how the Yxy color 61.4117, 0.4431, 0.4342 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 61.4117, 0.4431, 0.4342 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 61.4117, 0.4431, 0.4342**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.4117, 0.4431, 0.4342.



This preview shows how white text looks on a background with the Yxy color 61.4117, 0.4431, 0.4342.

# 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

61.4117, 0.4431, 0.4342

### Protanopia

61.5219, 0.4129, 0.4521

### Deuteranopia

61.4611, 0.4414, 0.4321



## Tritanopia

61.3500, 0.3601, 0.3177

# Trichromacy



**Original Color**

61.4117, 0.4431, 0.4342

**Protanomaly**

61.1228, 0.4237, 0.4454

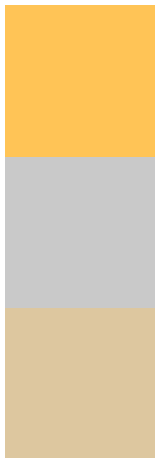
**Deuteranomaly**

61.4444, 0.4419, 0.4328

**Tritanomaly**

60.9902, 0.3939, 0.3637

# Monochromacy



**Original Color**

61.4117, 0.4431, 0.4342

**Achromatopsia**

58.4078, 0.3127, 0.3290

**Achromatomaly**

58.7222, 0.3613, 0.3755

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.4117, 0.4431, 0.4342 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(255, 196, 86)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 86)  
}
```

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(255, 196, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 86) }
```

## Border

The CSS property to change the border of an element to Yxy 61.4117, 0.4431, 0.4342 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(255, 196, 86) }
```

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

```
.border{ border-color:rgb(255, 196, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 86);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
86) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.4117, 0.4431, 0.4342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 86) }
```

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

```
.background{ background-color: rgb(255,  
196, 86) }
```

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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