

Converting Colors

$Yxy(61.6815, 0.4461, 0.4397)$

Have a look what the booklet for
Yxy(61.6815, 0.4461, 0.4397)
contains.

Yxy(61.7570, 0.4460, 0.4399)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(61.7570, 0.4460, 0.4399)

Conversions

Conversions Part 1

Format	Color
Hex	FFC54F
RGB	255, 197, 79
RGB Percent	100%, 77%, 31%
CMY	0.0001, 0.2274, 0.6902
CMYK	0.00, 0.23, 0.69, 0.00
HSL	40°, 100%, 65%
HSV	40°, 69%, 100%
XYZ	62.6134, 61.7570, 16.0184
YIQ	200.8900, 72.4460, -24.4020

Conversions

Conversions Part 2

Format	Color
R _Y B	166, 255, 79
Decimal	16762191
CIE Lab	82.78, 9.26, 64.74
CIE LCh	83, 65.397, 81.856
Yxy	61.7570, 0.4460, 0.4399
Android (android.graphics.Color)	4294952271 (0xFFFFC54F)
YUV	200.8900, -60.0918, 47.4545
Hunter-Lab	78.5856, 4.6957, 42.9247

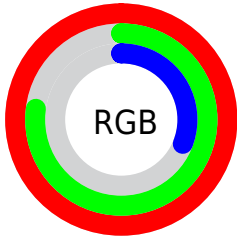
Details

The Yxy color **61.7570, 0.4460, 0.4399** is a light color, and the websafe version is hex **FFCC66**.

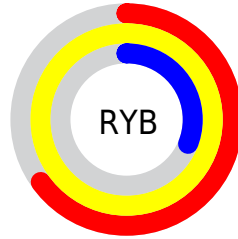
The color can be described as light washed yellow. A complement of this color would be **26.7670, 0.1947, 0.1725**, and the grayscale version is **58.6845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2040, 0.3843, 0.4444**, and **31.4563, 0.4706, 0.4580** is the 20% darker color. If you saturate the color by 10%, you get **57.7478, 0.4645, 0.4471**, and if you desaturate by 10%, it is **66.1272, 0.4256, 0.4284**.

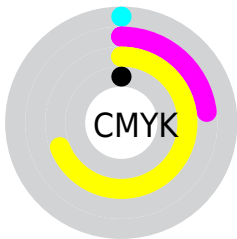
Distribution



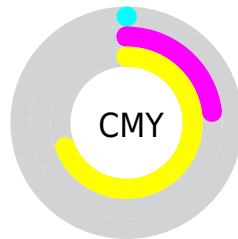
- Red (100%)
- Green (77%)
- Blue (31%)



- Red (65%)
- Yellow (100%)
- Blue (31%)



- Cyan (0%)
- Magenta (23%)
- Yellow (69%)
- Black (0%)




- Cyan (0%)
- Magenta (23%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.7570, 0.4460, 0.4399 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 61.7570, 0.4460, 0.4399 by changing the saturation by 10% instead.


 61.7570, 0.4460,
0.4399

 61.7570, 0.4460,
0.4399


431.0442, 0.3867,
0.3932

 44.8364, 0.4578,
0.4483


 107.3743, 0.4266,
0.4253


 31.3286, 0.4712,
0.4573


 136.8397, 0.4186,
0.4191

 20.8492, 0.4861,
0.4663


 171.2555, 0.4116,
0.4136

 13.0138, 0.5024,
0.4746

 211.0061, 0.4055,
0.4086

 7.4380, 0.5196,
0.4804

 256.4758, 0.4000,
0.4042

 3.7375, 0.5277,
0.4723

308.0492, 0.3950,

 1.5278, 0.5412,

0.4001

366.1105, 0.3906,
0.3965

0.4588

0.3082, 0.6275,
0.3725

0.0000, 0.0000,
0.0000

61.7570, 0.4460,
0.4399

61.7570, 0.4460,
0.4399

57.7478, 0.4645,
0.4471

66.1272, 0.4256,
0.4284

54.0696, 0.4803,
0.4492

70.8671, 0.4044,
0.4138

50.6966, 0.4928,
0.4464

75.9959, 0.3833,
0.3971

50.3773, 0.4940,
0.4460

81.5282, 0.3631,
0.3794

■ 87.4776, 0.3443,
0.3615

■ 93.8567, 0.3269,
0.3440

99.9969, 0.3127,
0.3290

Harmonies

Analogous

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



61.7570, 0.4765, 0.3820



61.7570, 0.4460, 0.4399



61.7570, 0.3817, 0.4792

Triad

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



61.7570, 0.4460, 0.4399



61.7570, 0.1858, 0.3101



61.7570, 0.3041, 0.2273

Complementary

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



61.7570, 0.4460, 0.4399



26.7670, 0.1947, 0.1725

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.



61.7570, 0.2320, 0.2066



61.7570, 0.4460, 0.4399



61.7570, 0.1716, 0.2434

Square

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



61.7570, 0.4460, 0.4399



61.7570, 0.2318, 0.4000



61.7570, 0.1872, 0.2104



61.7570, 0.3897, 0.2681

Rectangle

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



61.7570, 0.4460, 0.4399



61.7570, 0.3298, 0.4800



61.7570, 0.1872, 0.2104



61.7570, 0.2775, 0.2179

Sweetspot

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



61.7600, 0.4460, 0.4399



86.2749, 0.3479, 0.3650



28.6755, 0.4665, 0.2753



18.1106, 0.3530, 0.3700



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.



61.7600, 0.4460, 0.4399



56.2511, 0.4712, 0.4486



88.1870, 0.3856, 0.4970



20.0230, 0.3277, 0.3449



26.6118, 0.4924, 0.4472



2.7912, 0.4819, 0.4555

Inverse Universe

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



26.7670, 0.1947, 0.1725



19.5676, 0.1764, 0.1382



16.0216, 0.1943, 0.1150



18.3551, 0.2979, 0.3126



7.3279, 0.1629, 0.1065



0.9037, 0.1691, 0.1288

Previews

White Background



This preview shows how the Yxy color 61.7570, 0.4460, 0.4399 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 61.7570, 0.4460, 0.4399 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 61.7570, 0.4460, 0.4399

Background



This preview shows how black text looks on a background with the Yxy color 61.7570, 0.4460, 0.4399.



This preview shows how white text looks on a background with the Yxy color 61.7570, 0.4460, 0.4399.

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

61.7570, 0.4460, 0.4399

Protanopia

62.0578, 0.4167, 0.4580

Deuteranopia

61.9307, 0.4400, 0.4322



Tritanopia

61.8253, 0.3590, 0.3177

Trichromacy



Original Color

61.7570, 0.4460, 0.4399

Protanomaly

61.6567, 0.4275, 0.4510

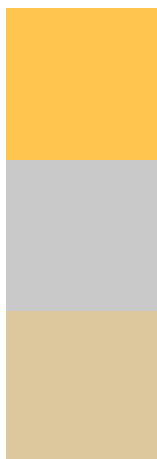
Deuteranomaly

61.8644, 0.4423, 0.4351

Tritanomaly

61.3596, 0.3951, 0.3668

Monochromacy



Original Color

61.7570, 0.4460, 0.4399

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

59.1150, 0.3626, 0.3789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.7570, 0.4460, 0.4399 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, 197, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 79)  
}
```

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, 197, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 79) }
```

Border

The CSS property to change the border of an element to Yxy 61.7570, 0.4460, 0.4399 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, 197, 79) }
```

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

```
.border{ border-color:rgb(255, 197, 79) }
```

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

Here you see how a box with a 4 pixel rgb(255, 197, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 61.7570, 0.4460, 0.4399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 79) }
```

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

```
.background{ background-color: rgb(255,  
197, 79) }
```

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