

Converting Colors

$Y_{xy}(74.1545, 0.4925, 0.4088)$

Have a look what the booklet for
Yxy(74.1545, 0.4925, 0.4088)
contains.

Yxy(60.0400, 0.4465, 0.4330)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(60.0400, 0.4465, 0.4330)

Conversions

Conversions Part 1

Format	Color
Hex	FFC154
RGB	255, 193, 84
RGB Percent	100%, 76%, 33%
CMY	0.0000, 0.2431, 0.6707
CMYK	0.00, 0.24, 0.67, 0.00
HSL	38°, 100%, 66%
HSV	38°, 67%, 100%
XYZ	61.9119, 60.0400, 16.7086
YIQ	199.1120, 71.9410, -20.7550

Conversions

Conversions Part 2

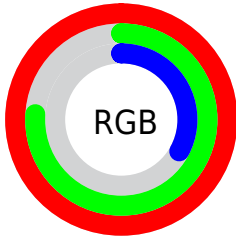
Format	Color
RYB	181, 255, 84
Decimal	16761172
CIELab	81.86, 11.62, 61.65
CIELCh	82, 62.733, 79.329
Yxy	60.0400, 0.4465, 0.4330
Android (android.graphics.Color)	4294951252 (0xFFFFC154)
YUV	199.1120, -56.7502, 49.0138
Hunter-Lab	77.4855, 7.0242, 41.4548

Details

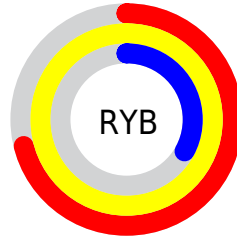
The Yxy color **60.0400, 0.4465, 0.4330** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **29.6545, 0.1995, 0.1850**, and the grayscale version is **57.5058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8463, 0.3833, 0.4369**, and **30.3046, 0.4726, 0.4500** is the 20% darker color. If you saturate the color by 10%, you get **55.7517, 0.4670, 0.4405**, and if you desaturate by 10%, it is **64.7319, 0.4245, 0.4214**.

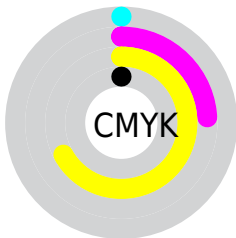
Distribution



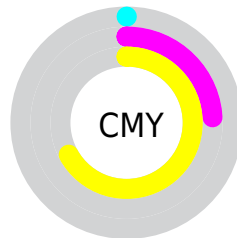
- Red (100%)
- Green (76%)
- Blue (33%)



- Red (71%)
- Yellow (100%)
- Blue (33%)



- Cyan (0%)
- Magenta (24%)
- Yellow (67%)
- Black (0%)




- Cyan (0%)
- Magenta (24%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.0400, 0.4465, 0.4330 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 60.0400, 0.4465, 0.4330 by changing the saturation by 10% instead.

 60.0400, 0.4465,
0.4330


 60.0400, 0.4465,
0.4330


424.7452, 0.3860,
0.3891

 43.4509, 0.4589,
0.4410


 104.8877, 0.4264,
0.4192


 30.2390, 0.4731,
0.4495


 133.9150, 0.4183,
0.4134


 20.0201, 0.4892,
0.4580


 167.8573, 0.4112,
0.4082

 12.4097, 0.5070,
0.4654

 207.0988, 0.4049,
0.4036

 7.0233, 0.5284,
0.4716

 252.0239, 0.3994,
0.3994

 3.4767, 0.5388,
0.4612

303.0171, 0.3944,

 1.3854, 0.5563,

0.3956

0.4437

360.4627, 0.3900,
0.3922

0.2059, 0.6995,
0.3005

0.0000, 0.0000,
0.0000

60.0400, 0.4465,
0.4330

60.0400, 0.4465,
0.4330

55.7517, 0.4670,
0.4405

64.7319, 0.4245,
0.4214

51.8415, 0.4849,
0.4429

69.8420, 0.4022,
0.4069

48.2848, 0.4993,
0.4401

75.3884, 0.3805,
0.3907

47.2984, 0.5032,
0.4386

81.3867, 0.3599,
0.3737

 87.8514, 0.3410,
0.3567

 94.7961, 0.3238,
0.3402

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.



60.0400, 0.4721, 0.3763



60.0400, 0.4465, 0.4330



60.0400, 0.3863, 0.4729

Triad

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



60.0400, 0.4465, 0.4330



60.0400, 0.1919, 0.3178



60.0400, 0.2978, 0.2274

Complementary

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



60.0400, 0.4465, 0.4330



29.6545, 0.1995, 0.1850

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.



60.0400, 0.2296, 0.2091



60.0400, 0.4465, 0.4330



60.0400, 0.1753, 0.2504

Square

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



60.0400, 0.4465, 0.4330



60.0400, 0.2395, 0.4047



60.0400, 0.1882, 0.2153



60.0400, 0.3805, 0.2659

Rectangle

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



60.0400, 0.4465, 0.4330



60.0400, 0.3363, 0.4762



60.0400, 0.1882, 0.2153



60.0400, 0.2725, 0.2188

Sweetspot

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



60.0414, 0.4465, 0.4330



85.9058, 0.3464, 0.3616



29.6944, 0.4516, 0.2701



17.9966, 0.3517, 0.3664



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.



60.0414, 0.4465, 0.4330



54.5663, 0.4725, 0.4417



89.3486, 0.3886, 0.4911



19.9182, 0.3278, 0.3441



25.0083, 0.5015, 0.4400



2.6427, 0.4896, 0.4495

Inverse Universe

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



29.6545, 0.1995, 0.1850



22.5789, 0.1821, 0.1537



16.6700, 0.1942, 0.1188



18.4557, 0.2979, 0.3134



8.0696, 0.1654, 0.1152



0.9845, 0.1716, 0.1377

Previews

White Background



This preview shows how the Yxy color 60.0400, 0.4465, 0.4330 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 60.0400, 0.4465, 0.4330 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 60.0400, 0.4465, 0.4330

Background



This preview shows how black text looks on a background with the Yxy color 60.0400, 0.4465, 0.4330.



This preview shows how white text looks on a background with the Yxy color 60.0400, 0.4465, 0.4330.

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

60.0400, 0.4465, 0.4330

Protanopia

60.2047, 0.4137, 0.4529

Deuteranopia

60.1063, 0.4441, 0.4347



Tritanopia

59.9434, 0.3633, 0.3177

Trichromacy



Original Color

60.0400, 0.4465, 0.4330

Protanomaly

59.9850, 0.4254, 0.4456

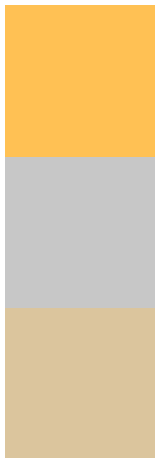
Deuteranomaly

60.2945, 0.4449, 0.4343

Tritanomaly

59.5930, 0.3976, 0.3638

Monochromacy



Original Color

60.0400, 0.4465, 0.4330

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

57.4269, 0.3618, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.0400, 0.4465, 0.4330 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, 193, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 193, 84)  
}
```

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, 193, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 84) }
```

Border

The CSS property to change the border of an element to Yxy 60.0400, 0.4465, 0.4330 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, 193, 84) }
```

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

```
.border{ border-color:rgb(255, 193, 84) }
```

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

Here you see how a box with a 4 pixel rgb(255, 193, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 60.0400, 0.4465, 0.4330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 84) }
```

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

```
.background{ background-color: rgb(255,  
193, 84) }
```

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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