

Converting Colors

$Y_{xy}(61.3799, 0.4442, 0.4356)$

Have a look what the booklet for
Yxy(61.3799, 0.4442, 0.4356)
contains.

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Color

Yxy(61.3799, 0.4442, 0.4356)

Conversions

Conversions Part 1

Format	Color
Hex	FFC454
RGB	255, 196, 84
RGB Percent	100%, 77%, 33%
CMY	0.0000, 0.2314, 0.6706
CMYK	0.00, 0.23, 0.67, 0.00
HSL	39°, 100%, 66%
HSV	39°, 67%, 100%
XYZ	62.5917, 61.3799, 16.9372
YIQ	200.8730, 71.1160, -22.3240

Conversions

Conversions Part 2

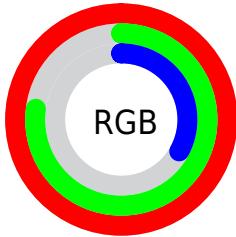
Format	Color
RYB	174, 255, 84
Decimal	16761940
CIELab	82.58, 10.08, 62.41
CIElCh	83, 63.217, 80.823
Yxy	61.3799, 0.4442, 0.4356
Android (android.graphics.Color)	4294952020 (0xFFFFC454)
YUV	200.8730, -57.6184, 47.4694
Hunter-Lab	78.3453, 5.5031, 42.0240

Details

The Yxy color **61.3799, 0.4442, 0.4356** 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 **28.7562, 0.1986, 0.1811**, and the grayscale version is **58.6523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7158, 0.3821, 0.4393**, and **31.1934, 0.4689, 0.4533** is the 20% darker color. If you saturate the color by 10%, you get **57.1914, 0.4639, 0.4434**, and if you desaturate by 10%, it is **65.9371, 0.4229, 0.4237**.

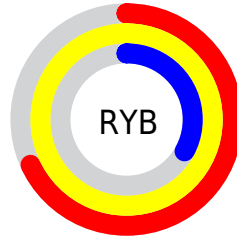
Distribution



Red (100%)

Green (77%)

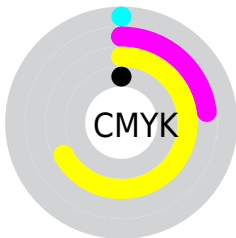
Blue (33%)



Red (68%)

Yellow (100%)

Blue (33%)

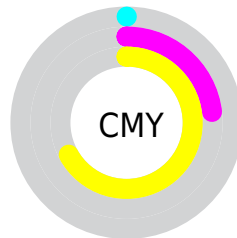


Cyan (0%)

Magenta (23%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (23%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.3799, 0.4442, 0.4356 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 61.3799, 0.4442, 0.4356 by changing the saturation by 10% instead.


 61.3799, 0.4442,
0.4356


 61.3799, 0.4442,
0.4356

429.6656, 0.3851,
0.3905


 44.5318, 0.4562,
0.4439


 106.8288, 0.4247,
0.4214


 31.0888, 0.4699,
0.4527


 136.1984, 0.4168,
0.4154

 20.6665, 0.4853,
0.4617


 170.5107, 0.4098,
0.4101

 12.8804, 0.5022,
0.4698

 210.1500, 0.4037,
0.4053

 7.3463, 0.5226,
0.4774

255.5008, 0.3983,
0.4010

 3.6796, 0.5314,
0.4686

306.9474, 0.3934,

 1.4960, 0.5462,

0.3972

0.4538

364.8741, 0.3891,
0.3937

■ 0.2859, 0.6443,
0.3557

■ 0.0000, 0.0000,
0.0000

■ 61.3799, 0.4442,
0.4356

■ 61.3799, 0.4442,
0.4356

■ 57.1914, 0.4639,
0.4434

■ 65.9371, 0.4229,
0.4237

■ 53.3654, 0.4809,
0.4462

■ 70.8952, 0.4011,
0.4089

■ 49.8716, 0.4946,
0.4438

■ 76.2659, 0.3798,
0.3922

■ 48.8961, 0.4983,
0.4425

■ 82.0640, 0.3596,
0.3748

■ 88.3035, 0.3408,
0.3574

■ 94.9973, 0.3237,
0.3404

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.



61.3799, 0.4719, 0.3792



61.3799, 0.4442, 0.4356



61.3799, 0.3827, 0.4740

Triad

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



61.3799, 0.4442, 0.4356



61.3799, 0.1903, 0.3138



61.3799, 0.3018, 0.2289

Complementary

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



61.3799, 0.4442, 0.4356



28.7562, 0.1986, 0.1811

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.



61.3799, 0.2324, 0.2095



61.3799, 0.4442, 0.4356



61.3799, 0.1752, 0.2478

Square

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



61.3799, 0.4442, 0.4356



61.3799, 0.2364, 0.4006



61.3799, 0.1895, 0.2143



61.3799, 0.3846, 0.2682

Rectangle

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



61.3799, 0.4442, 0.4356



61.3799, 0.3325, 0.4755



61.3799, 0.1895, 0.2143



61.3799, 0.2762, 0.2199

Sweetspot

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



61.3751, 0.4442, 0.4356



86.4195, 0.3462, 0.3625



29.6113, 0.4557, 0.2730



18.1202, 0.3514, 0.3674



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.



61.3751, 0.4442, 0.4356



56.0286, 0.4692, 0.4448



88.8761, 0.3866, 0.4923



19.9733, 0.3278, 0.3445



25.8387, 0.4967, 0.4438



2.7198, 0.4855, 0.4527

Inverse Universe

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



28.7562, 0.1986, 0.1811



21.6967, 0.1809, 0.1492



16.8551, 0.1960, 0.1197



18.4027, 0.2979, 0.3130



7.6693, 0.1641, 0.1106



0.9412, 0.1703, 0.1330

Previews

White Background



This preview shows how the Yxy color 61.3799, 0.4442, 0.4356 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 61.3799, 0.4442, 0.4356 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 61.3799, 0.4442, 0.4356

Background



This preview shows how black text looks on a background with the Yxy color 61.3799, 0.4442, 0.4356.



This preview shows how white text looks on a background with the Yxy color 61.3799, 0.4442, 0.4356.

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

61.3799, 0.4442, 0.4356

Protanopia

61.4887, 0.4140, 0.4537

Deuteranopia

61.4444, 0.4419, 0.4328



Tritanopia

61.3500, 0.3601, 0.3177

Trichromacy



Original Color

61.3799, 0.4442, 0.4356

Protanomaly

61.0901, 0.4248, 0.4469

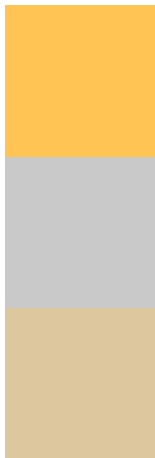
Deuteranomaly

61.4280, 0.4425, 0.4335

Tritanomaly

60.9559, 0.3947, 0.3648

Monochromacy



Original Color

61.3799, 0.4442, 0.4356

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

58.6876, 0.3621, 0.3767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.3799, 0.4442, 0.4356 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, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 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, 196, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 84) }
```

Border

The CSS property to change the border of an element to Yxy 61.3799, 0.4442, 0.4356 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, 84) }
```

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

```
.border{ border-color:rgb(255, 196, 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, 196, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 61.3799, 0.4442, 0.4356 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, 84) }
```

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

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