

Converting Colors

$Yxy(62.2331, 0.4302, 0.4196)$

Have a look what the booklet for
Yxy(62.2331, 0.4302, 0.4196)
contains.

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Color

Yxy(62.2331, 0.4302, 0.4196)

Conversions

Conversions Part 1

Format	Color
Hex	FFC56A
RGB	255, 197, 106
RGB Percent	100%, 77%, 42%
CMY	0.0000, 0.2274, 0.5844
CMYK	0.00, 0.23, 0.58, 0.00
HSL	37°, 100%, 71%
HSV	37°, 58%, 100%
XYZ	63.8052, 62.2331, 22.2770
YIQ	203.9680, 63.7790, -16.0050

Conversions

Conversions Part 2

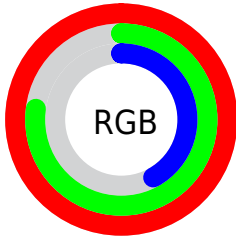
Format	Color
R_{YB}	201, 255, 106
Decimal	16762218
CIE Lab	83.04, 10.92, 52.90
CIE LCh	83, 54.018, 78.342
Yxy	62.2331, 0.4302, 0.4196
Android (android.graphics.Color)	4294952298 (0xFFFFC56A)
YUV	203.9680, -48.2982, 44.7551
Hunter-Lab	78.8880, 6.3184, 38.4788

Details

The Yxy color **62.2331, 0.4302, 0.4196** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.8180, 0.2143, 0.2118**, and the grayscale version is **60.6432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6817, 0.3692, 0.4211**, and **31.5134, 0.4561, 0.4356** is the 20% darker color. If you saturate the color by 10%, you get **57.4233, 0.4532, 0.4302**, and if you desaturate by 10%, it is **67.5032, 0.4069, 0.4060**.

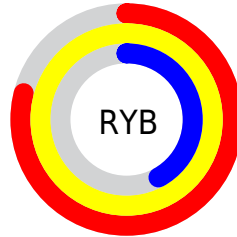
Distribution



Red (100%)

Green (77%)

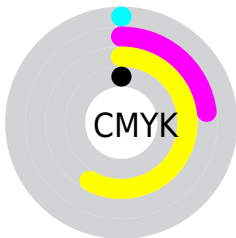
Blue (42%)



Red (79%)

Yellow (100%)

Blue (42%)

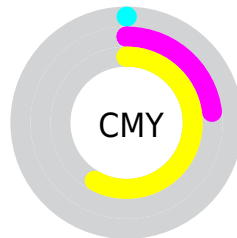


Cyan (0%)

Magenta (23%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (23%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.2331, 0.4302, 0.4196 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 62.2331, 0.4302, 0.4196 by changing the saturation by 10% instead.


 62.2331, 0.4302,
0.4196

 62.2331, 0.4302,
0.4196


432.7809, 0.3762,
0.3803


 45.2211, 0.4418,
0.4273


 108.0624, 0.4120,
0.4069

 31.6316, 0.4554,
0.4359


 137.6484, 0.4047,
0.4017

 21.0803, 0.4716,
0.4453


 172.1945, 0.3984,
0.3970

 13.1827, 0.4903,
0.4548

 212.0852, 0.3928,
0.3929

 7.5545, 0.5158,
0.4666

257.7047, 0.3879,
0.3893

 3.8112, 0.5344,
0.4656

309.4376, 0.3836,

 1.5685, 0.5498,

0.3860

0.4502

367.6682, 0.3797,
0.3830

■ 0.3362, 0.6354,
0.3646

■ 0.0000, 0.0000,
0.0000

■ 62.2331, 0.4302,
0.4196

■ 62.2331, 0.4302,
0.4196

■ 57.4233, 0.4532,
0.4302

■ 67.5032, 0.4069,
0.4060

■ 53.0446, 0.4746,
0.4365

■ 73.2428, 0.3844,
0.3905

■ 49.0771, 0.4933,
0.4376

■ 79.4715, 0.3632,
0.3742

■ 45.4909, 0.5086,
0.4335

■ 86.2051, 0.3437,
0.3578

44.9607, 0.5108,
0.4326

93.4582, 0.3261,
0.3418

99.9990, 0.3127,
0.3290

Harmonies

Analogous

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



62.2331, 0.4492, 0.3709



62.2331, 0.4302, 0.4196



62.2331, 0.3800, 0.4516

Triad

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



62.2331, 0.4302, 0.4196



62.2331, 0.2092, 0.3231



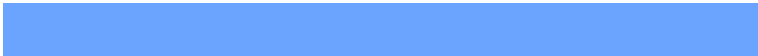
62.2331, 0.2984, 0.2394

Complementary

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



62.2331, 0.4302, 0.4196



36.8180, 0.2143, 0.2118

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.



62.2331, 0.2395, 0.2241



62.2331, 0.4302, 0.4196



62.2331, 0.1928, 0.2640

Square

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



62.2331, 0.4302, 0.4196



62.2331, 0.2524, 0.3949



62.2331, 0.2033, 0.2311



62.2331, 0.3686, 0.2732

Rectangle

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



62.2331, 0.4302, 0.4196



62.2331, 0.3371, 0.4532



62.2331, 0.2033, 0.2311



62.2331, 0.2767, 0.2321

Sweetspot

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



62.2361, 0.4302, 0.4196



86.5180, 0.3429, 0.3571



34.2994, 0.4184, 0.2696



18.0862, 0.3483, 0.3618



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.



62.2361, 0.4302, 0.4196



56.7153, 0.4566, 0.4314



91.0981, 0.3857, 0.4727



19.8344, 0.3279, 0.3435



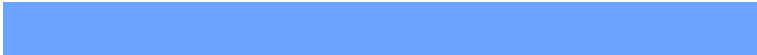
23.7928, 0.5089, 0.4341



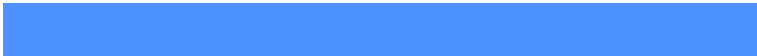
2.5290, 0.4959, 0.4444

Inverse Universe

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



36.8180, 0.2143, 0.2118



29.3209, 0.1968, 0.1841



21.5782, 0.2074, 0.1441



18.5368, 0.2979, 0.3141



8.7259, 0.1674, 0.1227



1.0543, 0.1736, 0.1451

Previews

White Background



This preview shows how the Yxy color 62.2331, 0.4302, 0.4196 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 62.2331, 0.4302, 0.4196 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 62.2331, 0.4302, 0.4196

Background



This preview shows how black text looks on a background with the Yxy color 62.2331, 0.4302, 0.4196.



This preview shows how white text looks on a background with the Yxy color 62.2331, 0.4302, 0.4196.

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

62.2331, 0.4302, 0.4196

Protanopia

62.2238, 0.3997, 0.4359

Deuteranopia

62.0439, 0.4294, 0.4199



Tritanopia

62.3512, 0.3572, 0.3167

Trichromacy



Original Color

62.2331, 0.4302, 0.4196

Protanomaly

61.9717, 0.4111, 0.4294

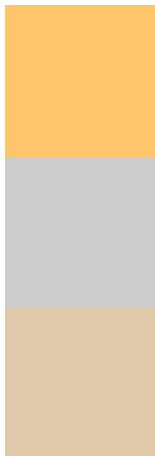
Deuteranomaly

62.0439, 0.4294, 0.4199

Tritanomaly

62.1899, 0.3856, 0.3564

Monochromacy



Original Color

62.2331, 0.4302, 0.4196

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

60.2884, 0.3554, 0.3670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.2331, 0.4302, 0.4196 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 106) }
```

Border

The CSS property to change the border of an element to Yxy 62.2331, 0.4302, 0.4196 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, 106) }
```

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

```
.border{ border-color:rgb(255, 197, 106) }
```

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, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 62.2331, 0.4302, 0.4196 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, 106) }
```

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

```
.background{ background-color: rgb(255,  
197, 106) }
```

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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