

# Converting Colors

$Y_{xy}(76.9128, 0.4770, 0.3961)$

Have a look what the booklet for  
Yxy(76.9128, 0.4770, 0.3961)  
contains.

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# Color

**Yxy(62.3183, 0.4275, 0.4162)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC56E
RGB	255, 197, 110
RGB Percent	100%, 77%, 43%
CMY	0.0001, 0.2274, 0.5687
CMYK	0.00, 0.23, 0.57, 0.00
HSL	36°, 100%, 72%
HSV	36°, 57%, 100%
XYZ	64.0103, 62.3183, 23.4031
YIQ	204.4240, 62.4950, -14.7610

# Conversions

## Conversions Part 2

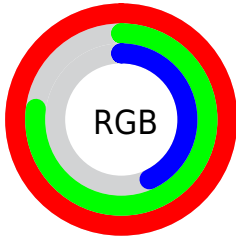
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 255, 110
Decimal	16762222
CIE <sub>Lab</sub>	83.08, 11.19, 51.03
CIE <sub>LCh</sub>	83, 52.241, 77.632
Yxy	62.3183, 0.4275, 0.4162
Android (android.graphics.Color)	4294952302 (0xFFFFC56E)
YUV	204.4240, -46.5510, 44.3552
Hunter-Lab	78.9419, 6.5888, 37.6823

# Details

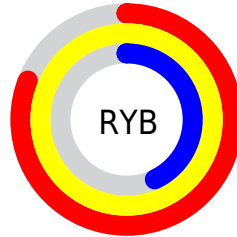
The Yxy color **62.3183, 0.4275, 0.4162** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.5114, 0.2174, 0.2176**, and the grayscale version is **60.9366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8240, 0.3669, 0.4173**, and **31.5628, 0.4526, 0.4314** is the 20% darker color. If you saturate the color by 10%, you get **57.3705, 0.4510, 0.4271**, and if you desaturate by 10%, it is **67.7447, 0.4039, 0.4024**.

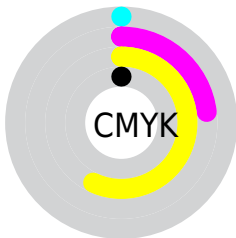
# Distribution



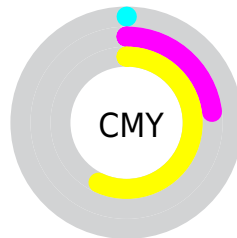
- Red (100%)
- Green (77%)
- Blue (43%)



- Red (81%)
- Yellow (100%)
- Blue (43%)



- Cyan (0%)
- Magenta (23%)
- Yellow (57%)
- Black (0%)




- Cyan (0%)
- Magenta (23%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3183, 0.4275, 0.4162 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 62.3183, 0.4275, 0.4162 by changing the saturation by 10% instead.





 62.3183, 0.4275,  
0.4162


 62.3183, 0.4275,  
0.4162


433.0912, 0.3746,  
0.3783

 45.2899, 0.4389,  
0.4237


 108.1854, 0.4095,  
0.4039


 31.6859, 0.4525,  
0.4322


 137.7930, 0.4024,  
0.3988

 21.1217, 0.4687,  
0.4415


 172.3624, 0.3962,  
0.3943

 13.2130, 0.4878,  
0.4511

 212.2781, 0.3908,  
0.3904

 7.5754, 0.5125,  
0.4619

257.9244, 0.3860,  
0.3869

 3.8245, 0.5355,  
0.4645

309.6858, 0.3817,

 1.5759, 0.5512,

0.3837

0.4488

367.9466, 0.3780,  
0.3809

0.3412, 0.6365,  
0.3635

0.0000, 0.0000,  
0.0000

62.3183, 0.4275,  
0.4162

62.3183, 0.4275,  
0.4162

57.3705, 0.4510,  
0.4271

67.7447, 0.4039,  
0.4024

52.8720, 0.4733,  
0.4339

73.6590, 0.3813,  
0.3870

48.8030, 0.4930,  
0.4357

80.0814, 0.3602,  
0.3709

45.1358, 0.5092,  
0.4320

87.0276, 0.3409,  
0.3548

44.0564, 0.5139,  
0.4302

94.5128, 0.3235,  
0.3392

99.9930, 0.3127,  
0.3290

# Harmonies

## Analogous

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



62.3183, 0.4447, 0.3689



62.3183, 0.4275, 0.4162



62.3183, 0.3796, 0.4472

# Triad

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



62.3183, 0.4275, 0.4162



62.3183, 0.2131, 0.3251



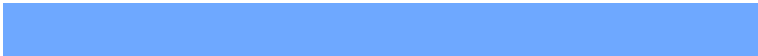
62.3183, 0.2975, 0.2414

# Complementary

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



62.3183, 0.4275, 0.4162



38.5114, 0.2174, 0.2176

# 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.



62.3183, 0.2406, 0.2270



62.3183, 0.4275, 0.4162



62.3183, 0.1963, 0.2673

# Square

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



62.3183, 0.4275, 0.4162



62.3183, 0.2557, 0.3941



62.3183, 0.2059, 0.2346



62.3183, 0.3653, 0.2739



# Rectangle

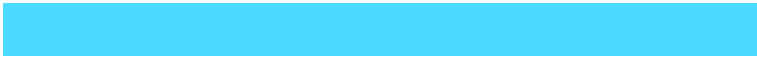
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.3183, 0.4275, 0.4162



62.3183, 0.3381, 0.4491



62.3183, 0.2059, 0.2346



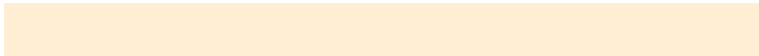
62.3183, 0.2765, 0.2344

# Sweetspot

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



62.3213, 0.4275, 0.4162



86.9556, 0.3411, 0.3550



35.2290, 0.4141, 0.2708



18.3044, 0.3449, 0.3582



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.



62.3213, 0.4275, 0.4162



56.8540, 0.4536, 0.4281



91.2290, 0.3842, 0.4695



19.8011, 0.3279, 0.3433



23.3280, 0.5119, 0.4317

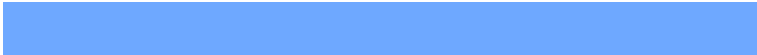


2.4853, 0.4984, 0.4424

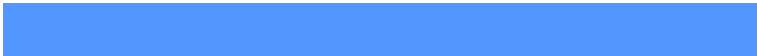


# Inverse Universe

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



38.5114, 0.2174, 0.2176



31.0975, 0.2002, 0.1913



22.6887, 0.2106, 0.1493



18.5691, 0.2979, 0.3143



9.0017, 0.1683, 0.1257



1.0832, 0.1745, 0.1481



# Previews

## White Background



This preview shows how the Yxy color 62.3183, 0.4275, 0.4162 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 62.3183, 0.4275, 0.4162 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 62.3183, 0.4275, 0.4162**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.3183, 0.4275, 0.4162.



This preview shows how white text looks on a background with the Yxy color 62.3183, 0.4275, 0.4162.

# 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

62.3183, 0.4275, 0.4162

### Protanopia

62.3345, 0.3966, 0.4311

### Deuteranopia

62.1291, 0.4267, 0.4165



## Tritanopia

62.3512, 0.3572, 0.3167

# Trichromacy



## Original Color

62.3183, 0.4275, 0.4162

## Protanomaly

62.0813, 0.4078, 0.4248

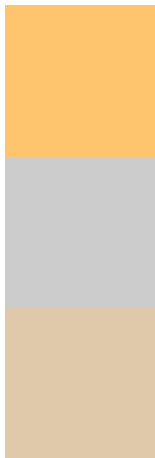
## Deuteranomaly

62.1291, 0.4267, 0.4165

## Tritanomaly

62.2645, 0.3839, 0.3543

# Monochromacy



## Original Color

62.3183, 0.4275, 0.4162

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

60.3635, 0.3539, 0.3647

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.3183, 0.4275, 0.4162 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, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 110)  
}
```

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, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 62.3183, 0.4275, 0.4162 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, 110) }
```

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

```
.border{ border-color:rgb(255, 197, 110) }
```

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, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.3183, 0.4275, 0.4162 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, 110) }
```

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

```
.background{ background-color: rgb(255,  
197, 110) }
```

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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