

# Converting Colors

$Yxy(62.5118, 0.4202, 0.4177)$

Have a look what the booklet for  
Yxy(62.5118, 0.4202, 0.4177)  
contains.

<b>Yxy(62.3631, 0.4201, 0.4170)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(62.3631, 0.4201, 0.4170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAC771
RGB	250, 199, 113
RGB Percent	98%, 78%, 44%
CMY	0.0197, 0.2196, 0.5567
CMYK	0.00, 0.20, 0.55, 0.02
HSL	38°, 93%, 71%
HSV	38°, 55%, 98%
XYZ	62.8267, 62.3631, 24.3620
YIQ	204.4450, 58.0020, -15.9340

# Conversions

## Conversions Part 2

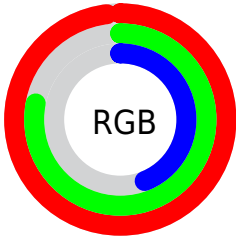
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 250, 113
Decimal	16435057
CIELab	83.11, 8.37, 49.46
CIELCh	83, 50.158, 80.395
Yxy	62.3631, 0.4201, 0.4170
Android (android.graphics.Color)	4294625137 (0xFFFA771)
YUV	204.4450, -45.0824, 39.9517
Hunter-Lab	78.9703, 3.8119, 36.9885

# Details

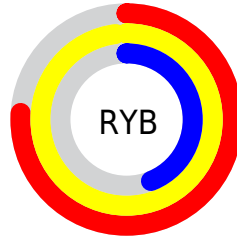
The Yxy color **62.3631, 0.4201, 0.4170** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.9742, 0.2198, 0.2176**, and the grayscale version is **60.9471, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5700, 0.3649, 0.4153**, and **31.6750, 0.4442, 0.4332** is the 20% darker color. If you saturate the color by 10%, you get **57.7256, 0.4426, 0.4292**, and if you desaturate by 10%, it is **67.4235, 0.3976, 0.4022**.

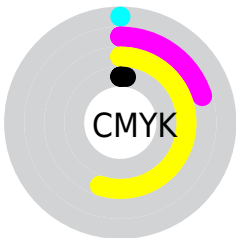
# Distribution



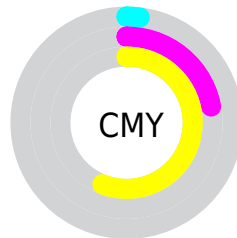
- Red (98%)
- Green (78%)
- Blue (44%)



- Red (76%)
- Yellow (98%)
- Blue (44%)



- Cyan (0%)
- Magenta (20%)
- Yellow (55%)
- Black (2%)




- Cyan (2%)
- Magenta (22%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3631, 0.4201, 0.4170 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 62.3631, 0.4201, 0.4170 by changing the saturation by 10% instead.




 62.3631, 0.4201,  
0.4170

 62.3631, 0.4201,  
0.4170


433.2543, 0.3706,  
0.3781

 45.3262, 0.4308,  
0.4249


 108.2501, 0.4033,  
0.4042

 31.7144, 0.4436,  
0.4340


 137.8690, 0.3966,  
0.3990

 21.1435, 0.4589,  
0.4443


 172.4507, 0.3908,  
0.3944

 13.2289, 0.4770,  
0.4554

212.3795, 0.3857,  
0.3904

 7.5864, 0.4994,  
0.4677

258.0399, 0.3813,  
0.3868

 3.8314, 0.5236,  
0.4764

309.8162, 0.3773,

 1.5797, 0.5357,

0.3836

0.4643

368.0929, 0.3737,  
0.3807

0.3439, 0.6070,  
0.3930

0.0000, 0.0000,  
0.0000

62.3631, 0.4201,  
0.4170

62.3631, 0.4201,  
0.4170

57.7256, 0.4426,  
0.4292

67.4235, 0.3976,  
0.4022

53.4844, 0.4640,  
0.4375

72.9140, 0.3759,  
0.3859

49.6225, 0.4830,  
0.4410

78.8524, 0.3555,  
0.3691

46.1162, 0.4987,  
0.4391

85.2528, 0.3369,  
0.3524

■ 44.4109, 0.5059,  
0.4365

■ 92.1281, 0.3201,  
0.3364

■ 98.9622, 0.3096,  
0.3288

■ 99.0613, 0.3096,  
0.3290

# Harmonies

## Analogous

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



62.3631, 0.4396, 0.3725



62.3631, 0.4201, 0.4170



62.3631, 0.3721, 0.4438

# Triad

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



62.3631, 0.4201, 0.4170



62.3631, 0.2142, 0.3197



62.3631, 0.3040, 0.2467

# Complementary

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



62.3631, 0.4201, 0.4170



36.9742, 0.2198, 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.



62.3631, 0.2476, 0.2310



62.3631, 0.4201, 0.4170



62.3631, 0.2002, 0.2660

# Square

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



62.3631, 0.4201, 0.4170



62.3631, 0.2533, 0.3856



62.3631, 0.2117, 0.2364



62.3631, 0.3691, 0.2796



# Rectangle

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



62.3631, 0.4201, 0.4170



62.3631, 0.3318, 0.4426



62.3631, 0.2117, 0.2364



62.3631, 0.2834, 0.2393

# Sweetspot

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



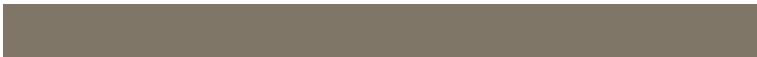
62.3661, 0.4201, 0.4170



88.3349, 0.3391, 0.3545



34.8785, 0.4112, 0.2749



18.6060, 0.3429, 0.3579



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.



62.3661, 0.4201, 0.4170



59.7964, 0.4454, 0.4305



87.0496, 0.3805, 0.4659



19.0411, 0.3278, 0.3439



23.8450, 0.5041, 0.4380



2.4116, 0.4912, 0.4482

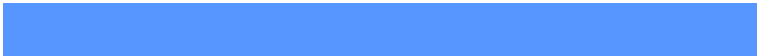


# Inverse Universe

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



36.9742, 0.2198, 0.2176



30.8377, 0.2017, 0.1899



23.3910, 0.2164, 0.1571



17.7014, 0.2979, 0.3137



8.0720, 0.1661, 0.1181



0.9432, 0.1727, 0.1417



# Previews

## White Background



This preview shows how the Yxy color 62.3631, 0.4201, 0.4170 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

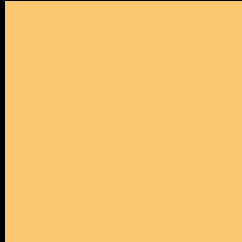
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.3631, 0.4201, 0.4170 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 62.3631, 0.4201, 0.4170**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.3631, 0.4201, 0.4170.



This preview shows how white text looks on a background with the Yxy color 62.3631, 0.4201, 0.4170.

# 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

62.3631, 0.4201, 0.4170

### Protanopia

62.3806, 0.3953, 0.4291

### Deuteranopia

62.4631, 0.4232, 0.4151



## Tritanopia

62.3987, 0.3563, 0.3157

# Trichromacy



**Original Color**

62.3631, 0.4201, 0.4170

**Protanomaly**

62.2564, 0.4042, 0.4245

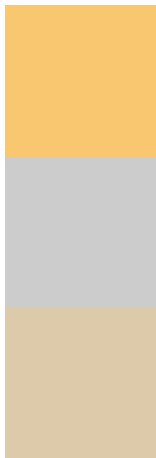
**Deuteranomaly**

62.2759, 0.4224, 0.4154

**Tritanomaly**

61.9249, 0.3814, 0.3534

# Monochromacy



**Original Color**

62.3631, 0.4201, 0.4170

**Achromatopsia**

60.3827, 0.3127, 0.3290

**Achromatomaly**

60.5535, 0.3512, 0.3648

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.3631, 0.4201, 0.4170 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(250, 199, 113)` looks like.

```
.text, #text, p{  
    color:rgb(250, 199, 113)  
}
```

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(250, 199, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 199, 113) }
```

## Border

The CSS property to change the border of an element to Yxy 62.3631, 0.4201, 0.4170 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(250, 199, 113) }
```

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

```
.border{ border-color:rgb(250, 199, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 199, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 199, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 199, 113);  
box-shadow:4px 4px 4px 4px rgb(250, 199,  
113) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.3631, 0.4201, 0.4170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 199, 113) }
```

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

```
.background{ background-color: rgb(250,  
199, 113) }
```

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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