

# Converting Colors

$Y_{xy}(62.4786, 0.4173, 0.4023)$

Have a look what the booklet for  
Yxy(62.4786, 0.4173, 0.4023)  
contains.

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# Color

**Yxy(62.6732, 0.4170, 0.4026)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC57D
RGB	255, 197, 125
RGB Percent	100%, 77%, 49%
CMY	0.0000, 0.2275, 0.5097
CMYK	0.00, 0.23, 0.51, 0.00
HSL	33°, 100%, 75%
HSV	33°, 51%, 100%
XYZ	64.9149, 62.6732, 28.0831
YIQ	206.1340, 57.6800, -10.0960

# Conversions

## Conversions Part 2

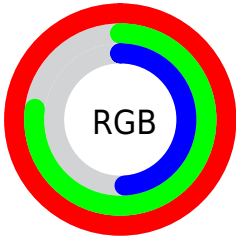
Format	Color
R <sub>Y</sub> B	230, 255, 125
Decimal	16762237
CIE Lab	83.27, 12.44, 43.85
CIE LCh	83, 45.576, 74.167
Yxy	62.6732, 0.4170, 0.4026
Android (android.graphics.Color)	4294952317 (0xFFFFC57D)
YUV	206.1340, -39.9991, 42.8555
Hunter-Lab	79.1664, 7.8252, 34.3843

# Details

The Yxy color **62.6732, 0.4170, 0.4026** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.4571, 0.2287, 0.2393**, and the grayscale version is **62.0442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3983, 0.3582, 0.4029**, and **31.8751, 0.4419, 0.4164** is the 20% darker color. If you saturate the color by 10%, you get **57.1276, 0.4424, 0.4144**, and if you desaturate by 10%, it is **68.7739, 0.3925, 0.3888**.

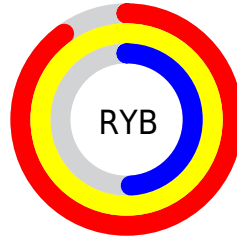
# Distribution



Red (100%)

Green (77%)

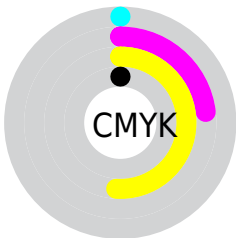
Blue (49%)



Red (90%)

Yellow (100%)

Blue (49%)

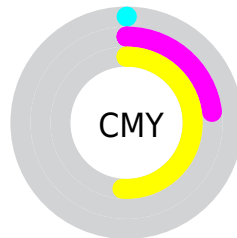


Cyan (0%)

Magenta (23%)

Yellow (51%)

Black (0%)



Cyan (0%)

Magenta (23%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.6732, 0.4170, 0.4026 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 62.6732, 0.4170, 0.4026 by changing the saturation by 10% instead.





 62.6732, 0.4170,  
0.4026


 62.6732, 0.4170,  
0.4026


434.3825, 0.3683,  
0.3703


 45.5769, 0.4279,  
0.4092


 108.6979, 0.4002,  
0.3919

 31.9121, 0.4410,  
0.4168


 138.3951, 0.3936,  
0.3876

 21.2943, 0.4571,  
0.4255


 173.0613, 0.3879,  
0.3838

 13.3393, 0.4768,  
0.4350

213.0810, 0.3830,  
0.3805

 7.6626, 0.5009,  
0.4443

258.8386, 0.3786,  
0.3775

 3.8798, 0.5404,  
0.4596

310.7185, 0.3748,

 1.6066, 0.5575,

0.3748

0.4425

369.1049, 0.3713,  
0.3724

0.3620, 0.6414,  
0.3586

0.0000, 0.0000,  
0.0000

62.6732, 0.4170,  
0.4026

62.6732, 0.4170,  
0.4026

57.1276, 0.4424,  
0.4144

68.7739, 0.3925,  
0.3888

52.1189, 0.4677,  
0.4228

75.4531, 0.3698,  
0.3739

47.6220, 0.4914,  
0.4266

82.7284, 0.3491,  
0.3589

43.6099, 0.5120,  
0.4250

90.6173, 0.3306,  
0.3443

■ 40.3712, 0.5276,  
0.4193

99.1365, 0.3142,  
0.3303

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.



62.6732, 0.4274, 0.3605



62.6732, 0.4170, 0.4026



62.6732, 0.3781, 0.4306

# Triad

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



62.6732, 0.4170, 0.4026



62.6732, 0.2284, 0.3332



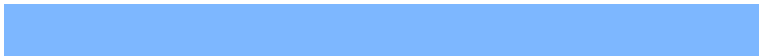
62.6732, 0.2932, 0.2489

# Complementary

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



62.6732, 0.4170, 0.4026



45.4571, 0.2287, 0.2393

# 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.



62.6732, 0.2447, 0.2384



62.6732, 0.4170, 0.4026



62.6732, 0.2102, 0.2807

# Square

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



62.6732, 0.4170, 0.4026



62.6732, 0.2689, 0.3913



62.6732, 0.2160, 0.2482



62.6732, 0.3521, 0.2764



# Rectangle

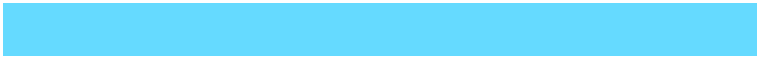
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.6732, 0.4170, 0.4026



62.6732, 0.3425, 0.4337



62.6732, 0.2160, 0.2482



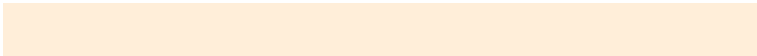
62.6732, 0.2753, 0.2433

# Sweetspot

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



62.6720, 0.4170, 0.4026



87.3658, 0.3378, 0.3501



39.3720, 0.3910, 0.2693



18.3442, 0.3417, 0.3532



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.



62.6720, 0.4170, 0.4026



57.1135, 0.4425, 0.4144



93.0493, 0.3829, 0.4547



19.6551, 0.3280, 0.3422



21.3975, 0.5253, 0.4211

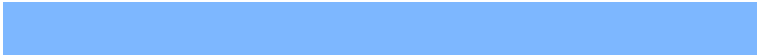


2.3015, 0.5099, 0.4333

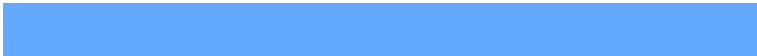


# Inverse Universe

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



45.4571, 0.2287, 0.2393



38.2230, 0.2130, 0.2176



26.7585, 0.2183, 0.1677



18.7122, 0.2979, 0.3155



10.3239, 0.1722, 0.1399



1.2192, 0.1783, 0.1617



# Previews

## White Background



This preview shows how the Yxy color 62.6732, 0.4170, 0.4026 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

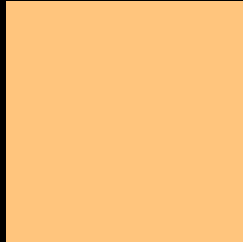
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.6732, 0.4170, 0.4026 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

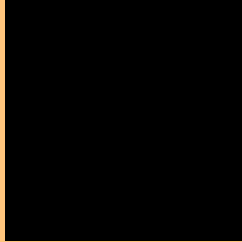
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.6732, 0.4170, 0.4026**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.6732, 0.4170, 0.4026.



This preview shows how white text looks on a background with the Yxy color 62.6732, 0.4170, 0.4026.

# 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

62.6732, 0.4170, 0.4026

### Protanopia

63.0276, 0.3852, 0.4171

### Deuteranopia

62.5643, 0.4139, 0.4044



## Tritanopia

62.8334, 0.3561, 0.3167

# Trichromacy



## Original Color

62.6732, 0.4170, 0.4026

## Protanomaly

62.7488, 0.3961, 0.4114

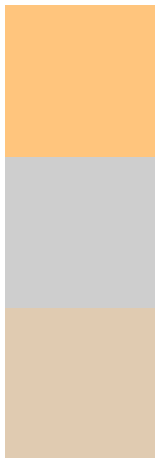
## Deuteranomaly

62.7515, 0.4148, 0.4041

## Tritanomaly

62.4951, 0.3789, 0.3480

# Monochromacy



## Original Color

62.6732, 0.4170, 0.4026

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

61.7335, 0.3488, 0.3587

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.6732, 0.4170, 0.4026 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, 125)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 125)  
}
```

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, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 62.6732, 0.4170, 0.4026 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, 125) }
```

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

```
.border{ border-color:rgb(255, 197, 125) }
```

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, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 125);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
125) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.6732, 0.4170, 0.4026 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, 125) }
```

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

```
.background{ background-color: rgb(255,  
197, 125) }
```

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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