

# Converting Colors

$Y_{xy}(68.6458, 0.4246, 0.3749)$

Have a look what the booklet for  
Yxy(68.6458, 0.4246, 0.3749)  
contains.

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# Color

**Yxy(62.8464, 0.4007, 0.3801)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC493
RGB	255, 196, 147
RGB Percent	100%, 77%, 58%
CMY	0.0000, 0.2314, 0.4235
CMYK	0.00, 0.23, 0.42, 0.00
HSL	27°, 100%, 79%
HSV	27°, 42%, 100%
XYZ	66.2524, 62.8464, 36.2429
YIQ	208.0550, 50.8930, -2.7310

# Conversions

## Conversions Part 2

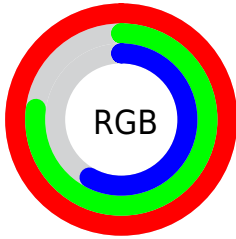
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 237, 147
Decimal	16762003
CIE <sub>Lab</sub>	83.36, 15.05, 32.71
CIE <sub>LCh</sub>	83, 36.001, 65.297
Yxy	62.8464, 0.4007, 0.3801
Android (android.graphics.Color)	4294952083 (0xFFFFC493)
YUV	208.0550, -30.1001, 41.1708
Hunter-Lab	79.2757, 10.4438, 28.3871

# Details

The Yxy color **62.8464, 0.4007, 0.3801** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.5687, 0.2452, 0.2707**, and the grayscale version is **63.2864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7276, 0.3452, 0.3802**, and **31.9263, 0.4219, 0.3899** is the 20% darker color. If you saturate the color by 10%, you get **56.1356, 0.4285, 0.3913**, and if you desaturate by 10%, it is **70.3160, 0.3754, 0.3679**.

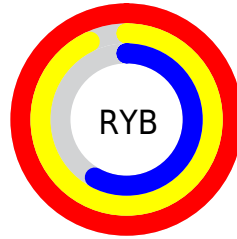
# Distribution



Red (100%)

Green (77%)

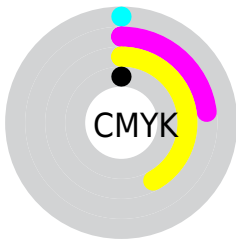
Blue (58%)



Red (100%)

Yellow (93%)

Blue (58%)

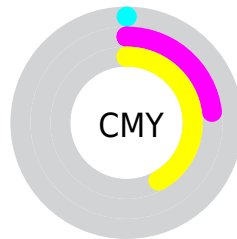


Cyan (0%)

Magenta (23%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (23%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8464, 0.4007, 0.3801 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 62.8464, 0.4007, 0.3801 by changing the saturation by 10% instead.





 62.8464, 0.4007,  
0.3801

 62.8464, 0.4007,  
0.3801


435.0118, 0.3589,  
0.3575

 45.7170, 0.4103,  
0.3848


 108.9479, 0.3861,  
0.3726

 32.0225, 0.4222,  
0.3904


 138.6887, 0.3804,  
0.3695

 21.3787, 0.4372,  
0.3970


173.4021, 0.3756,  
0.3669

 13.4011, 0.4565,  
0.4047

213.4725, 0.3714,  
0.3646

 7.7053, 0.4819,  
0.4131

259.2843, 0.3677,  
0.3625

 3.9070, 0.5192,  
0.4234

311.2219, 0.3644,

 1.6217, 0.5711,

0.3606

0.4289

369.6696, 0.3615,  
0.3590

0.3721, 0.6596,  
0.3404

0.0000, 0.0000,  
0.0000

62.8464, 0.4007,  
0.3801

62.8464, 0.4007,  
0.3801

56.1356, 0.4285,  
0.3913

70.3160, 0.3754,  
0.3679

50.1593, 0.4581,  
0.4004

78.5736, 0.3530,  
0.3554

44.8866, 0.4881,  
0.4061

87.6429, 0.3334,  
0.3432

40.2849, 0.5166,  
0.4070

97.5471, 0.3164,  
0.3316

■ 36.3174, 0.5414,  
0.4024

100.0000, 0.3127,  
0.3290

■ 33.6780, 0.5574,  
0.3956

# Harmonies

## Analogous

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



62.8464, 0.4002, 0.3450



62.8464, 0.4007, 0.3801



62.8464, 0.3764, 0.4054

# Triad

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



62.8464, 0.4007, 0.3801



62.8464, 0.2535, 0.3467



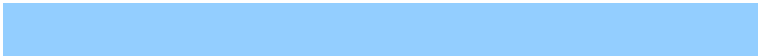
62.8464, 0.2849, 0.2600

# Complementary

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



62.8464, 0.4007, 0.3801



57.5687, 0.2452, 0.2707

# 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.



62.8464, 0.2495, 0.2565



62.8464, 0.4007, 0.3801



62.8464, 0.2325, 0.3027

# Square

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



62.8464, 0.4007, 0.3801



62.8464, 0.2908, 0.3883



62.8464, 0.2312, 0.2708



62.8464, 0.3304, 0.2788



# Rectangle

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



62.8464, 0.4007, 0.3801



62.8464, 0.3504, 0.4115



62.8464, 0.2312, 0.2708



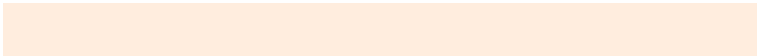
62.8464, 0.2715, 0.2570

# Sweetspot

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



62.8453, 0.4007, 0.3801



87.0300, 0.3346, 0.3440



46.6041, 0.3617, 0.2682



18.1869, 0.3387, 0.3466



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.



62.8453, 0.4007, 0.3801



56.9991, 0.4246, 0.3899



91.4896, 0.3781, 0.4294



19.3444, 0.3283, 0.3398



17.8869, 0.5546, 0.3978

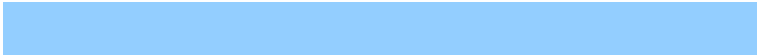


1.9565, 0.5354, 0.4131

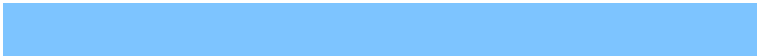


# Inverse Universe

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



57.5687, 0.2452, 0.2707



51.0566, 0.2320, 0.2562



36.0108, 0.2341, 0.2037



19.0227, 0.2979, 0.3179



13.7716, 0.1814, 0.1732



1.5594, 0.1868, 0.1923



# Previews

## White Background



This preview shows how the Yxy color 62.8464, 0.4007, 0.3801 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 62.8464, 0.4007, 0.3801 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

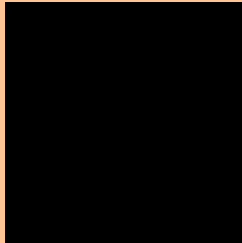
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.8464, 0.4007, 0.3801**

## Background



This preview shows how black text looks on a background with the Yxy color 62.8464, 0.4007, 0.3801.



This preview shows how white text looks on a background with the Yxy color 62.8464, 0.4007, 0.3801.

# 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

62.8464, 0.4007, 0.3801

### Protanopia

63.0667, 0.3654, 0.3929

### Deuteranopia

62.8786, 0.3943, 0.3854



## Tritanopia

62.8812, 0.3553, 0.3157

# Trichromacy



**Original Color**

62.8464, 0.4007, 0.3801

**Protanomaly**

63.0499, 0.3783, 0.3887

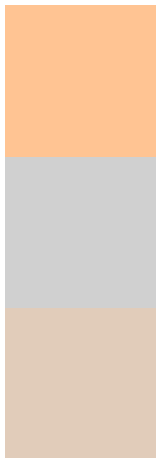
**Deuteranomaly**

62.9727, 0.3972, 0.3839

**Tritanomaly**

62.8188, 0.3723, 0.3396

# Monochromacy



**Original Color**

62.8464, 0.4007, 0.3801

**Achromatopsia**

63.0757, 0.3127, 0.3290

**Achromatomaly**

62.7385, 0.3425, 0.3494

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.8464, 0.4007, 0.3801 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 147) }
```

## Border

The CSS property to change the border of an element to Yxy 62.8464, 0.4007, 0.3801 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, 147) }
```

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

```
.border{ border-color:rgb(255, 196, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
147) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.8464, 0.4007, 0.3801 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, 147) }
```

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

```
.background{ background-color: rgb(255,  
196, 147) }
```

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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