

# Converting Colors

$Y_{xy}(72.0985, 0.4010, 0.3471)$

Have a look what the booklet for  
Yxy(72.0985, 0.4010, 0.3471)  
contains.

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# Color

**Yxy(64.9028, 0.3741, 0.3490)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">FFC6B3</a>
RGB	<a href="#">255, 198, 179</a>
RGB Percent	<a href="#">100%, 78%, 70%</a>
CMY	<a href="#">0.0000, 0.2235, 0.2981</a>
CMYK	<a href="#">0.00, 0.22, 0.30, 0.00</a>
HSL	<a href="#">15°, 100%, 85%</a>
HSV	<a href="#">15°, 30%, 100%</a>
XYZ	<a href="#">69.5706, 64.9028, 51.4945</a>
YIQ	<a href="#">212.8770, 40.0710, 6.1750</a>

# Conversions

## Conversions Part 2

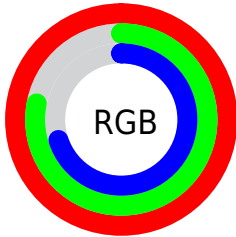
Format	Color
R <sub>Y</sub> B	255, 204, 179
Decimal	16762547
CIE Lab	84.43, 17.70, 17.34
CIE LCh	84, 24.781, 44.402
Yxy	64.9028, 0.3741, 0.3490
Android (android.graphics.Color)	4294952627 (0xFFFFC6B3)
YUV	212.8770, -16.7014, 36.9419
Hunter-Lab	80.5623, 13.1620, 18.4961

# Details

The Yxy color **64.9028, 0.3741, 0.3490** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **76.7741, 0.2672, 0.3079**, and the grayscale version is **66.5462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7782, 0.3244, 0.3483**, and **33.3232, 0.3898, 0.3533** is the 20% darker color. If you saturate the color by 10%, you get **55.7713, 0.4029, 0.3560**, and if you desaturate by 10%, it is **75.3313, 0.3497, 0.3420**.

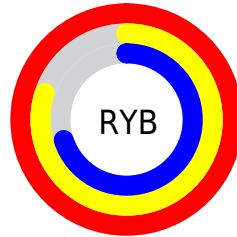
# Distribution



Red (100%)

Green (78%)

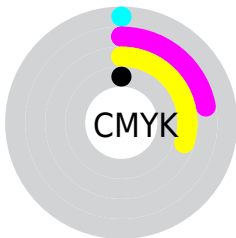
Blue (70%)



Red (100%)

Yellow (80%)

Blue (70%)

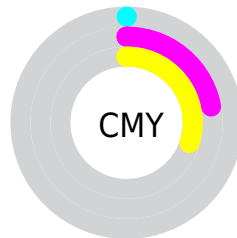


Cyan (0%)

Magenta (22%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9028, 0.3741, 0.3490 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 64.9028, 0.3741, 0.3490 by changing the saturation by 10% instead.





 64.9028, 0.3741,  
0.3490

 64.9028, 0.3741,  
0.3490


442.4426, 0.3448,  
0.3403

 47.3823, 0.3810,  
0.3508


 111.9101, 0.3638,  
0.3461

 33.3380, 0.3896,  
0.3530

142.1657, 0.3598,  
0.3449

 22.3855, 0.4006,  
0.3556


177.4350, 0.3564,  
0.3439

 14.1404, 0.4152,  
0.3586

218.1026, 0.3535,  
0.3430

 8.2184, 0.4354,  
0.3622

264.5527, 0.3509,  
0.3422

 4.2350, 0.4650,  
0.3660

317.1698, 0.3486,

 1.8059, 0.5182,

0.3415

0.3729

376.3383, 0.3466,  
0.3409

0.4908, 0.6471,  
0.3529

0.0000, 0.0000,  
0.0000

64.9028, 0.3741,  
0.3490

64.9028, 0.3741,  
0.3490

55.7713, 0.4029,  
0.3560

75.3313, 0.3497,  
0.3420

47.8805, 0.4363,  
0.3623

87.1006, 0.3294,  
0.3352

41.1770, 0.4738,  
0.3671

100.0000, 0.3127,  
0.3290

35.6014, 0.5135,  
0.3694

■ 31.0890, 0.5522,  
0.3681

■ 27.5677, 0.5856,  
0.3624

■ 24.9490, 0.6103,  
0.3534

■ 24.9078, 0.6108,  
0.3533

# Harmonies

## Analogous

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



64.9028, 0.3612, 0.3232



64.9028, 0.3741, 0.3490



64.9028, 0.3695, 0.3714

# Triad

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



64.9028, 0.3741, 0.3490



64.9028, 0.2895, 0.3611



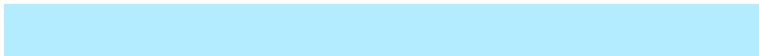
64.9028, 0.2755, 0.2779

# Complementary

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



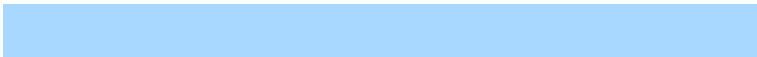
64.9028, 0.3741, 0.3490



76.7741, 0.2672, 0.3079

# 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.



64.9028, 0.2584, 0.2848



64.9028, 0.3741, 0.3490



64.9028, 0.2661, 0.3322

# Square

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



64.9028, 0.3741, 0.3490



64.9028, 0.3199, 0.3804



64.9028, 0.2550, 0.3041



64.9028, 0.3031, 0.2835



# Rectangle

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



64.9028, 0.3741, 0.3490



64.9028, 0.3575, 0.3811



64.9028, 0.2550, 0.3041



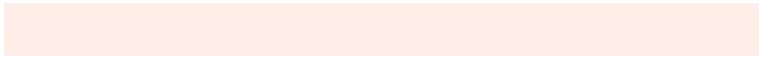
64.9028, 0.2684, 0.2787

# Sweetspot

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



64.9044, 0.3741, 0.3490



88.1187, 0.3279, 0.3347



59.5460, 0.3309, 0.2718



18.4728, 0.3306, 0.3356



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.



64.9044, 0.3741, 0.3490



59.1050, 0.3914, 0.3533



84.5010, 0.3630, 0.3865



18.7257, 0.3288, 0.3350



13.2124, 0.6080, 0.3554

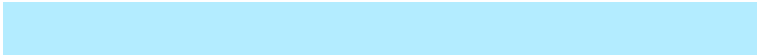


1.4510, 0.5863, 0.3727

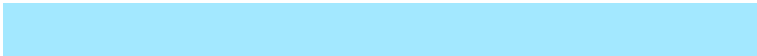


# Inverse Universe

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



76.7741, 0.2672, 0.3079



72.7525, 0.2584, 0.3029



57.1804, 0.2623, 0.2639



19.6660, 0.2980, 0.3229



23.5307, 0.2016, 0.2456



2.4643, 0.2045, 0.2563



# Previews

## White Background



This preview shows how the Yxy color 64.9028, 0.3741, 0.3490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

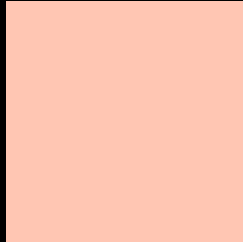
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.9028, 0.3741, 0.3490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

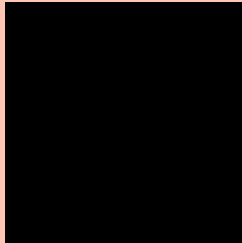
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.9028, 0.3741, 0.3490**

## Background



This preview shows how black text looks on a background with the Yxy color 64.9028, 0.3741, 0.3490.



This preview shows how white text looks on a background with the Yxy color 64.9028, 0.3741, 0.3490.

# 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

64.9028, 0.3741, 0.3490

### Protanopia

64.9681, 0.3390, 0.3574

### Deuteranopia

64.9809, 0.3636, 0.3561



## Tritanopia

64.8937, 0.3505, 0.3147

# Trichromacy



## Original Color

64.9028, 0.3741, 0.3490

## Protanomaly

64.8851, 0.3509, 0.3545

## Deuteranomaly

64.7618, 0.3674, 0.3537

## Tritanomaly

64.8171, 0.3591, 0.3271

# Monochromacy



## Original Color

64.9028, 0.3741, 0.3490

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

65.8228, 0.3330, 0.3368

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9028, 0.3741, 0.3490 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, 198, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 179)  
}
```

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, 198, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9028, 0.3741, 0.3490 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, 198, 179) }
```

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

```
.border{ border-color:rgb(255, 198, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 198, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9028, 0.3741, 0.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 179) }
```

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

```
.background{ background-color: rgb(255,  
198, 179) }
```

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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