

# Converting Colors

$Yxy(67.6576, 0.3842, 0.3441)$

Have a look what the booklet for  
Yxy(67.6576, 0.3842, 0.3441)  
contains.

<b>Yxy(64.5699, 0.3719, 0.3448)</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(64.5699, 0.3719, 0.3448)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC5B6
RGB	255, 197, 182
RGB Percent	100%, 77%, 71%
CMY	0.0001, 0.2274, 0.2862
CMYK	0.00, 0.23, 0.29, 0.00
HSL	12°, 100%, 86%
HSV	12°, 29%, 100%
XYZ	69.6449, 64.5699, 53.0529
YIQ	212.6320, 39.3830, 7.6310

# Conversions

## Conversions Part 2

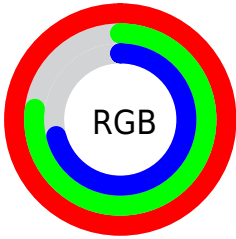
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 201, 182
Decimal	16762294
CIE <sub>Lab</sub>	84.26, 18.61, 15.49
CIE <sub>LCh</sub>	84, 24.208, 39.770
Yxy	64.5699, 0.3719, 0.3448
Android (android.graphics.Color)	4294952374 (0xFFFFC5B6)
YUV	212.6320, -15.1016, 37.1567
Hunter-Lab	80.3554, 14.0858, 17.1038

# Details

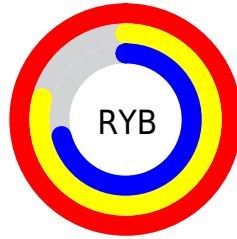
The Yxy color **64.5699, 0.3719, 0.3448** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **79.4707, 0.2694, 0.3125**, and the grayscale version is **66.3654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3167, 0.3227, 0.3444**, and **33.1002, 0.3870, 0.3480** is the 20% darker color. If you saturate the color by 10%, you get **55.0231, 0.4011, 0.3506**, and if you desaturate by 10%, it is **75.5506, 0.3475, 0.3390**.

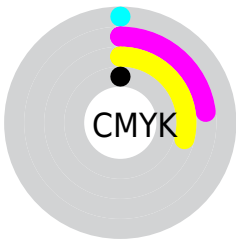
# Distribution



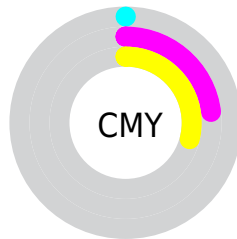
- Red (100%)
- Green (77%)
- Blue (71%)



- Red (100%)
- Yellow (79%)
- Blue (71%)



- Cyan (0%)
- Magenta (23%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (23%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5699, 0.3719, 0.3448 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 64.5699, 0.3719, 0.3448 by changing the saturation by 10% instead.





 64.5699, 0.3719,  
0.3448

 64.5699, 0.3719,  
0.3448


441.2448, 0.3436,  
0.3380

 47.1124, 0.3786,  
0.3462


 111.4313, 0.3619,  
0.3426

 33.1245, 0.3869,  
0.3478


141.6040, 0.3581,  
0.3417

 22.2219, 0.3976,  
0.3498


176.7838, 0.3548,  
0.3409

 14.0200, 0.4118,  
0.3520

217.3553, 0.3520,  
0.3402

 8.1346, 0.4315,  
0.3546

263.7027, 0.3495,  
0.3395

 4.1812, 0.4606,  
0.3570

316.2105, 0.3473,

 1.7754, 0.5107,

0.3390

0.3602

375.2630, 0.3454,  
0.3385

0.4718, 0.6571,  
0.3429

0.0000, 0.0000,  
0.0000

64.5699, 0.3719,  
0.3448

64.5699, 0.3719,  
0.3448

55.0231, 0.4011,  
0.3506

75.5506, 0.3475,  
0.3390

46.8418, 0.4353,  
0.3558

88.0120, 0.3273,  
0.3335

39.9653, 0.4741,  
0.3599

99.9962, 0.3127,  
0.3290

34.3251, 0.5156,  
0.3617

■ 29.8457, 0.5564,  
0.3604

■ 26.4431, 0.5915,  
0.3554

■ 24.0181, 0.6166,  
0.3474

■ 23.7507, 0.6195,  
0.3463

# Harmonies

## Analogous

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



64.5699, 0.3568, 0.3195



64.5699, 0.3719, 0.3448



64.5699, 0.3701, 0.3676

# Triad

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



64.5699, 0.3719, 0.3448



64.5699, 0.2943, 0.3641



64.5699, 0.2729, 0.2791

# Complementary

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



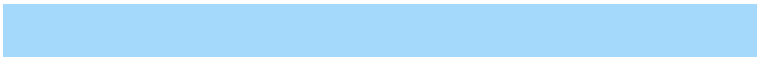
64.5699, 0.3719, 0.3448



79.4707, 0.2694, 0.3125

# 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.



64.5699, 0.2581, 0.2879



64.5699, 0.3719, 0.3448



64.5699, 0.2699, 0.3367

# Square

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



64.5699, 0.3719, 0.3448



64.5699, 0.3245, 0.3809



64.5699, 0.2570, 0.3085



64.5699, 0.2987, 0.2828



# Rectangle

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



64.5699, 0.3719, 0.3448



64.5699, 0.3598, 0.3783



64.5699, 0.2570, 0.3085



64.5699, 0.2666, 0.2807

# Sweetspot

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



64.5729, 0.3719, 0.3448



87.5238, 0.3280, 0.3337



61.0303, 0.3272, 0.2708



18.3272, 0.3307, 0.3345



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.



64.5729, 0.3719, 0.3448



59.2700, 0.3870, 0.3479



82.9621, 0.3618, 0.3807



18.5919, 0.3289, 0.3340



12.5813, 0.6170, 0.3483

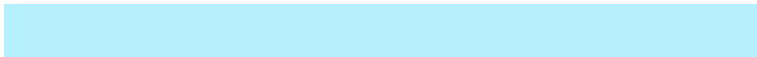


1.3723, 0.5963, 0.3647



# Inverse Universe

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



79.4707, 0.2694, 0.3125



76.2460, 0.2618, 0.3090



60.3035, 0.2650, 0.2712



19.8097, 0.2980, 0.3240



26.2045, 0.2059, 0.2614



2.7038, 0.2083, 0.2700



# Previews

## White Background



This preview shows how the Yxy color 64.5699, 0.3719, 0.3448 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 64.5699, 0.3719, 0.3448 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

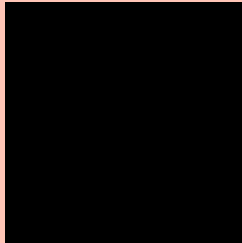
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.5699, 0.3719, 0.3448**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.5699, 0.3719, 0.3448.



This preview shows how white text looks on a background with the Yxy color 64.5699, 0.3719, 0.3448.

# 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

64.5699, 0.3719, 0.3448

### Protanopia

64.8274, 0.3345, 0.3529

### Deuteranopia

64.7488, 0.3596, 0.3529



## Tritanopia

64.3976, 0.3515, 0.3147

# Trichromacy



## Original Color

64.5699, 0.3719, 0.3448

## Protanomaly

64.3636, 0.3480, 0.3501

## Deuteranomaly

64.7023, 0.3642, 0.3505

## Tritanomaly

64.4137, 0.3585, 0.3250

# Monochromacy



## Original Color

64.5699, 0.3719, 0.3448

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

65.3839, 0.3324, 0.3346

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.5699, 0.3719, 0.3448 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 64.5699, 0.3719, 0.3448 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, 182) }
```

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

```
.border{ border-color:rgb(255, 197, 182) }
```

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, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 182);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.5699, 0.3719, 0.3448 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, 182) }
```

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

```
.background{ background-color: rgb(255,  
197, 182) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor