

# Converting Colors

$Yxy(64.6108, 0.3774, 0.3528)$

Have a look what the booklet for  
Yxy(64.6108, 0.3774, 0.3528)  
contains.

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# Color

**Yxy(64.7433, 0.3773, 0.3532)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC6AF
RGB	255, 198, 175
RGB Percent	100%, 78%, 69%
CMY	0.0001, 0.2234, 0.3138
CMYK	0.00, 0.22, 0.31, 0.00
HSL	17°, 100%, 84%
HSV	17°, 31%, 100%
XYZ	69.1609, 64.7433, 49.4007
YIQ	212.4210, 41.3550, 4.9310

# Conversions

## Conversions Part 2

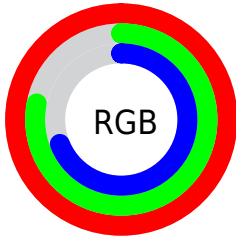
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 207, 175
Decimal	16762543
CIE <sub>Lab</sub>	84.35, 17.17, 19.34
CIE <sub>LCh</sub>	84, 25.863, 48.393
Yxy	64.7433, 0.3773, 0.3532
Android (android.graphics.Color)	4294952623 (0xFFFFC6AF)
YUV	212.4210, -18.4486, 37.3418
Hunter-Lab	80.4632, 12.6163, 19.9230

# Details

The Yxy color **64.7433, 0.3773, 0.3532** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **74.0024, 0.2646, 0.3033**, and the grayscale version is **66.2374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5495, 0.3268, 0.3522**, and **33.2220, 0.3942, 0.3586** is the 20% darker color. If you saturate the color by 10%, you get **56.0289, 0.4060, 0.3611**, and if you desaturate by 10%, it is **74.6475, 0.3528, 0.3451**.

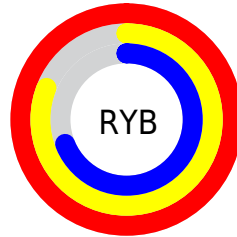
# Distribution



Red (100%)

Green (78%)

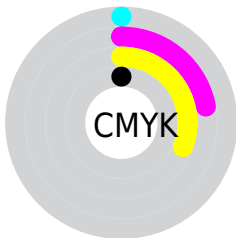
Blue (69%)



Red (100%)

Yellow (81%)

Blue (69%)

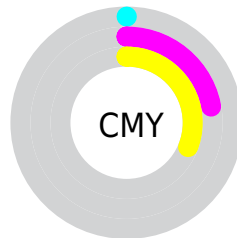


Cyan (0%)

Magenta (22%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7433, 0.3773, 0.3532 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 64.7433, 0.3773, 0.3532 by changing the saturation by 10% instead.




 64.7433, 0.3773,  
0.3532

 64.7433, 0.3773,  
0.3532


441.8689, 0.3465,  
0.3426

 47.2530, 0.3845,  
0.3554


 111.6807, 0.3665,  
0.3497

 33.2357, 0.3935,  
0.3581


141.8966, 0.3623,  
0.3482

 22.3070, 0.4051,  
0.3613


177.1231, 0.3587,  
0.3470

 14.0827, 0.4204,  
0.3651

217.7446, 0.3556,  
0.3459

 8.1782, 0.4415,  
0.3696

264.1456, 0.3529,  
0.3449

 4.2092, 0.4721,  
0.3744


316.7104, 0.3505,

 1.7913, 0.5319,


0.3441

0.3865


375.8233, 0.3484,  
0.3433

 0.4817, 0.6456,  
0.3544


 0.0000, 0.0000,  
0.0000

 64.7433, 0.3773,  
0.3532


 64.7433, 0.3773,  
0.3532


 56.0289, 0.4060,  
0.3611


 74.6475, 0.3528,  
0.3451

 48.4496, 0.4389,  
0.3683

 85.7754, 0.3322,  
0.3373

 41.9595, 0.4752,  
0.3737

 98.1710, 0.3149,  
0.3300

 36.5062, 0.5133,  
0.3762

99.9933, 0.3127,  
0.3290

■ 32.0323, 0.5500,  
0.3746

■ 28.4739, 0.5814,  
0.3683

■ 26.0763, 0.6023,  
0.3599

# Harmonies

## Analogous

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



64.7433, 0.3661, 0.3264



64.7433, 0.3773, 0.3532



64.7433, 0.3700, 0.3756

# Triad

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



64.7433, 0.3773, 0.3532



64.7433, 0.2846, 0.3589



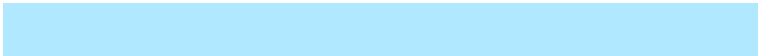
64.7433, 0.2772, 0.2758

# Complementary

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



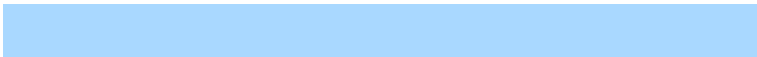
64.7433, 0.3773, 0.3532



74.0024, 0.2646, 0.3033

# 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.



64.7433, 0.2577, 0.2811



64.7433, 0.3773, 0.3532



64.7433, 0.2617, 0.3281

# Square

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



64.7433, 0.3773, 0.3532



64.7433, 0.3157, 0.3810



64.7433, 0.2522, 0.2996



64.7433, 0.3070, 0.2833



# Rectangle

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



64.7433, 0.3773, 0.3532



64.7433, 0.3561, 0.3847



64.7433, 0.2522, 0.2996



64.7433, 0.2693, 0.2761

# Sweetspot

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



64.7463, 0.3773, 0.3532



88.6234, 0.3278, 0.3355



57.7511, 0.3343, 0.2713



18.5964, 0.3305, 0.3366



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.



64.7463, 0.3773, 0.3532



58.8545, 0.3958, 0.3585



85.2850, 0.3651, 0.3920



18.8392, 0.3287, 0.3359



13.8495, 0.5994, 0.3622

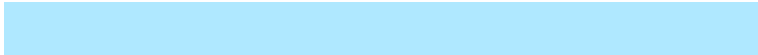


1.5261, 0.5774, 0.3797

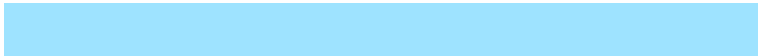


# Inverse Universe

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



74.0024, 0.2646, 0.3033



69.4861, 0.2549, 0.2969



54.1674, 0.2590, 0.2568



19.5454, 0.2980, 0.3220



21.4268, 0.1978, 0.2322



2.2738, 0.2013, 0.2445



# Previews

## White Background



This preview shows how the Yxy color 64.7433, 0.3773, 0.3532 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 64.7433, 0.3773, 0.3532 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

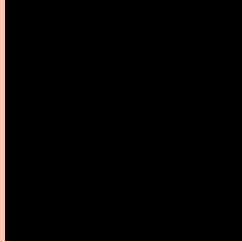
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.7433, 0.3773, 0.3532**

## Background



This preview shows how black text looks on a background with the Yxy color 64.7433, 0.3773, 0.3532.



This preview shows how white text looks on a background with the Yxy color 64.7433, 0.3773, 0.3532.

# 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

64.7433, 0.3773, 0.3532

### Protanopia

64.8015, 0.3419, 0.3620

### Deuteranopia

65.0010, 0.3675, 0.3603



## Tritanopia

64.8443, 0.3513, 0.3157

# Trichromacy



## Original Color

64.7433, 0.3773, 0.3532

## Protanomaly

64.7209, 0.3539, 0.3589

## Deuteranomaly

64.7857, 0.3714, 0.3579

## Tritanomaly

64.7254, 0.3608, 0.3291

# Monochromacy



## Original Color

64.7433, 0.3773, 0.3532

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

65.2431, 0.3347, 0.3379

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.7433, 0.3773, 0.3532 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 64.7433, 0.3773, 0.3532 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, 175) }
```

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

```
.border{ border-color:rgb(255, 198, 175) }
```

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, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.7433, 0.3773, 0.3532 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, 175) }
```

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

```
.background{ background-color: rgb(255,  
198, 175) }
```

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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