

# Converting Colors

Yxy(69.8402, 0.3944, 0.3393)

Have a look what the booklet for  
Yxy(69.8402, 0.3944, 0.3393)  
contains.

<b>Yxy(63.7509, 0.3709, 0.3406)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(63.7509, 0.3709, 0.3406)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC3B8
RGB	255, 195, 184
RGB Percent	100%, 76%, 72%
CMY	0.0000, 0.2354, 0.2784
CMYK	0.00, 0.24, 0.28, 0.00
HSL	9°, 100%, 86%
HSV	9°, 28%, 100%
XYZ	69.4222, 63.7509, 53.9992
YIQ	211.6860, 39.2910, 9.2990

# Conversions

## Conversions Part 2

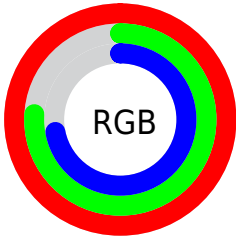
Format	Color
R <sub>Y</sub> B	255, 197, 184
Decimal	16761784
CIE Lab	83.84, 19.96, 13.82
CIE LCh	84, 24.279, 34.701
Yxy	63.7509, 0.3709, 0.3406
Android (android.graphics.Color)	4294951864 (0xFFFFC3B8)
YUV	211.6860, -13.6492, 37.9864
Hunter-Lab	79.8442, 15.4734, 15.7926

# Details

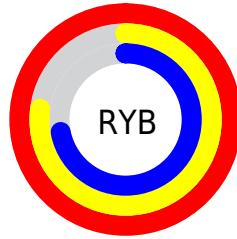
The Yxy color **63.7509, 0.3709, 0.3406** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **82.1305, 0.2709, 0.3170**, and the grayscale version is **65.6846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1721, 0.3217, 0.3406**, and **32.5588, 0.3856, 0.3426** is the 20% darker color. If you saturate the color by 10%, you get **53.7962, 0.4007, 0.3450**, and if you desaturate by 10%, it is **75.2787, 0.3462, 0.3362**.

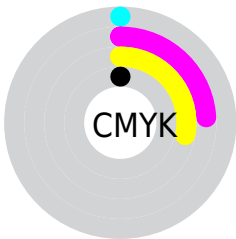
# Distribution



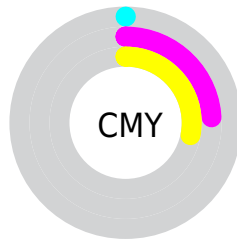
- Red (100%)
- Green (76%)
- Blue (72%)



- Red (100%)
- Yellow (77%)
- Blue (72%)



- Cyan (0%)
- Magenta (24%)
- Yellow (28%)
- Black (0%)




- Cyan (0%)
- Magenta (24%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.7509, 0.3709, 0.3406 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 63.7509, 0.3709, 0.3406 by changing the saturation by 10% instead.




 63.7509, 0.3709,  
0.3406

 63.7509, 0.3709,  
0.3406


438.2895, 0.3431,  
0.3358

 46.4489, 0.3775,  
0.3416


 110.2521, 0.3611,  
0.3390

 32.6002, 0.3857,  
0.3427


140.2202, 0.3573,  
0.3384

 21.8204, 0.3963,  
0.3439


175.1790, 0.3541,  
0.3378

 13.7250, 0.4105,  
0.3453

215.5131, 0.3513,  
0.3373

 7.9296, 0.4302,  
0.3467

261.6068, 0.3488,  
0.3369

 4.0500, 0.4595,  
0.3476

313.8445, 0.3467,

 1.7015, 0.5092,

0.3365

372.6106, 0.3448,  
0.3361

0.3475

0.4247, 0.6774,  
0.3226

0.0000, 0.0000,  
0.0000

63.7509, 0.3709,  
0.3406

63.7509, 0.3709,  
0.3406

53.7962, 0.4007,  
0.3450

75.2787, 0.3462,  
0.3362

45.3664, 0.4360,  
0.3489

88.4667, 0.3260,  
0.3321

38.3791, 0.4764,  
0.3520

100.0000, 0.3127,  
0.3290

32.7527, 0.5199,  
0.3532

■ 28.3974, 0.5626,  
0.3520

■ 25.2122, 0.5988,  
0.3477

■ 23.0787, 0.6235,  
0.3412

■ 22.7381, 0.6276,  
0.3399

# Harmonies

## Analogous

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



63.7509, 0.3531, 0.3153



63.7509, 0.3709, 0.3406



63.7509, 0.3720, 0.3644

# Triad

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



63.7509, 0.3709, 0.3406



63.7509, 0.2991, 0.3682



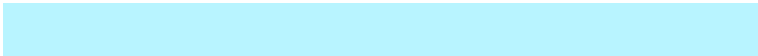
63.7509, 0.2692, 0.2794

# Complementary

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



63.7509, 0.3709, 0.3406



82.1305, 0.2709, 0.3170

# 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.



63.7509, 0.2565, 0.2904



63.7509, 0.3709, 0.3406



63.7509, 0.2731, 0.3418

# Square

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



63.7509, 0.3709, 0.3406



63.7509, 0.3297, 0.3825



63.7509, 0.2578, 0.3128



63.7509, 0.2937, 0.2810



# Rectangle

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



63.7509, 0.3709, 0.3406



63.7509, 0.3634, 0.3764



63.7509, 0.2578, 0.3128



63.7509, 0.2635, 0.2816

# Sweetspot

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



63.7437, 0.3709, 0.3406



88.2403, 0.3263, 0.3321



62.0989, 0.3240, 0.2691



18.4401, 0.3291, 0.3327



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.



63.7437, 0.3709, 0.3406



58.4155, 0.3856, 0.3429



81.4006, 0.3612, 0.3759



18.4401, 0.3291, 0.3327



12.0151, 0.6255, 0.3416

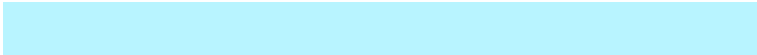


1.2955, 0.6067, 0.3565

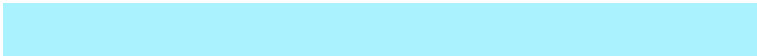


# Inverse Universe

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



82.1305, 0.2709, 0.3170



79.3622, 0.2638, 0.3145



62.9429, 0.2668, 0.2772



19.9749, 0.2980, 0.3252



29.5051, 0.2108, 0.2790



2.9961, 0.2126, 0.2853



# Previews

## White Background



This preview shows how the Yxy color 63.7509, 0.3709, 0.3406 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

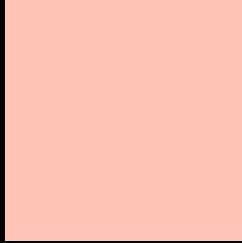
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.7509, 0.3709, 0.3406 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

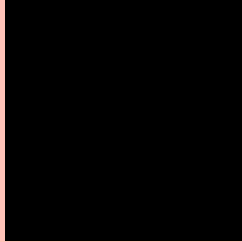
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.7509, 0.3709, 0.3406**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.7509, 0.3709, 0.3406.



This preview shows how white text looks on a background with the Yxy color 63.7509, 0.3709, 0.3406.

# 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

63.7509, 0.3709, 0.3406

### Protanopia

64.1142, 0.3316, 0.3496

### Deuteranopia

64.0107, 0.3567, 0.3498



## Tritanopia

63.9049, 0.3524, 0.3147

# Trichromacy



**Original Color**

63.7509, 0.3709, 0.3406

**Protanomaly**

63.8055, 0.3458, 0.3468

**Deuteranomaly**

63.6782, 0.3623, 0.3463

**Tritanomaly**

63.9671, 0.3588, 0.3240

# Monochromacy



**Original Color**

63.7509, 0.3709, 0.3406

**Achromatopsia**

65.8375, 0.3127, 0.3290

**Achromatomaly**

64.9009, 0.3326, 0.3335

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.7509, 0.3709, 0.3406 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, 195, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 184)  
}
```

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, 195, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 63.7509, 0.3709, 0.3406 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, 195, 184) }
```

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

```
.border{ border-color:rgb(255, 195, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 195, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 184);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.7509, 0.3709, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 184) }
```

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

```
.background{ background-color: rgb(255,  
195, 184) }
```

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