

# Converting Colors

$Yxy(67.9871, 0.3666, 0.3470)$

Have a look what the booklet for  
Yxy(67.9871, 0.3666, 0.3470)  
contains.

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# Color

**Yxy(68.0336, 0.3660, 0.3468)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFCCBB
RGB	255, 204, 187
RGB Percent	100%, 80%, 73%
CMY	0.0000, 0.2000, 0.2668
CMYK	0.00, 0.20, 0.27, 0.00
HSL	15°, 100%, 87%
HSV	15°, 27%, 100%
XYZ	71.8002, 68.0336, 56.3416
YIQ	217.3110, 35.8530, 5.5250

# Conversions

## Conversions Part 2

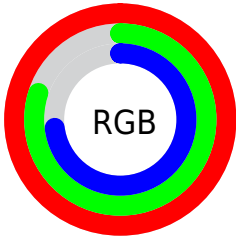
Format	Color
R <sub>Y</sub> B	255, 210, 187
Decimal	16764091
CIE Lab	86.02, 15.62, 15.34
CIE LCh	86, 21.888, 44.483
Yxy	68.0336, 0.3660, 0.3468
Android (android.graphics.Color)	4294954171 (0xFFFFCCBB)
YUV	217.3110, -14.9433, 33.0533
Hunter-Lab	82.4825, 11.0381, 17.2383

# Details

The Yxy color **68.0336, 0.3660, 0.3468** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **78.9052, 0.2718, 0.3104**, and the grayscale version is **69.6985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2511, 0.3197, 0.3405**, and **35.4042, 0.3785, 0.3505** is the 20% darker color. If you saturate the color by 10%, you get **58.5042, 0.3934, 0.3538**, and if you desaturate by 10%, it is **78.8770, 0.3430, 0.3398**.

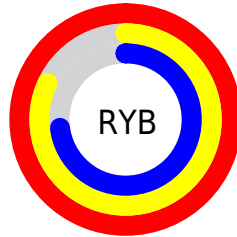
# Distribution



Red (100%)

Green (80%)

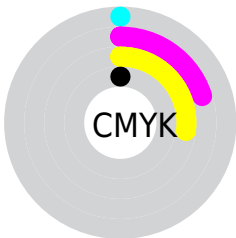
Blue (73%)



Red (100%)

Yellow (82%)

Blue (73%)

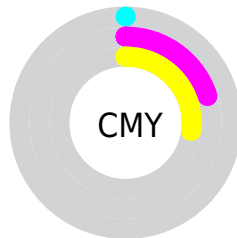


Cyan (0%)

Magenta (20%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0336, 0.3660, 0.3468 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 68.0336, 0.3660, 0.3468 by changing the saturation by 10% instead.




 68.0336, 0.3660,  
0.3468

 68.0336, 0.3660,  
0.3468


453.6151, 0.3408,  
0.3390

 49.9251, 0.3719,  
0.3485


 116.4002, 0.3572,  
0.3442

 35.3539, 0.3792,  
0.3504


147.4271, 0.3538,  
0.3432

 23.9356, 0.3885,  
0.3528


183.5288, 0.3508,  
0.3422

 15.2858, 0.4009,  
0.3557

225.0899, 0.3483,  
0.3414

 9.0202, 0.4179,  
0.3593

272.4947, 0.3461,  
0.3407

 4.7544, 0.4427,  
0.3634

326.1275, 0.3441,

 2.1039, 0.4821,

0.3401

0.3677

386.3729, 0.3424,  
0.3395

0.6668, 0.6064,  
0.3936

0.0000, 0.0000,  
0.0000

68.0336, 0.3660,  
0.3468

68.0336, 0.3660,  
0.3468

58.5042, 0.3934,  
0.3538

78.8770, 0.3430,  
0.3398

50.2305, 0.4254,  
0.3604

91.0743, 0.3237,  
0.3332

43.1614, 0.4617,  
0.3659

100.0000, 0.3127,  
0.3290

37.2389, 0.5009,  
0.3691

■ 32.4002, 0.5404,  
0.3690

■ 28.5758, 0.5760,  
0.3647

■ 25.6867, 0.6033,  
0.3563

■ 24.9128, 0.6107,  
0.3533

# Harmonies

## Analogous

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



68.0336, 0.3548, 0.3242



68.0336, 0.3660, 0.3468



68.0336, 0.3621, 0.3661

# Triad

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



68.0336, 0.3660, 0.3468



68.0336, 0.2925, 0.3567



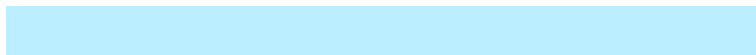
68.0336, 0.2804, 0.2842

# Complementary

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



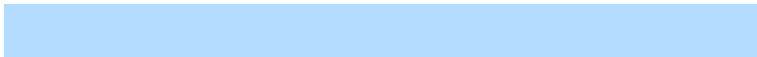
68.0336, 0.3660, 0.3468



78.9052, 0.2718, 0.3104

# 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.



68.0336, 0.2652, 0.2905



68.0336, 0.3660, 0.3468



68.0336, 0.2720, 0.3319

# Square

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



68.0336, 0.3660, 0.3468



68.0336, 0.3190, 0.3734



68.0336, 0.2622, 0.3075



68.0336, 0.3046, 0.2891



# Rectangle

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



68.0336, 0.3660, 0.3468



68.0336, 0.3517, 0.3744



68.0336, 0.2622, 0.3075



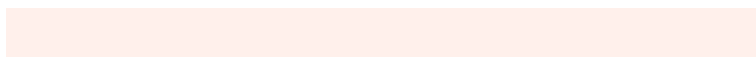
68.0336, 0.2741, 0.2851

# Sweetspot

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



68.0362, 0.3660, 0.3468



89.3847, 0.3261, 0.3340



62.9590, 0.3286, 0.2780



18.7262, 0.3288, 0.3350



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.



68.0362, 0.3660, 0.3468



62.8052, 0.3800, 0.3506



85.9906, 0.3573, 0.3803



18.7262, 0.3288, 0.3350



13.2151, 0.6080, 0.3555

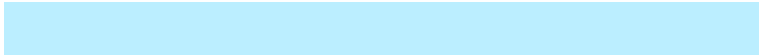


1.4513, 0.5863, 0.3727

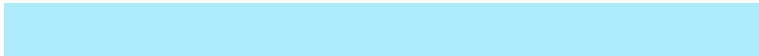


# Inverse Universe

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



78.9052, 0.2718, 0.3104



75.3147, 0.2641, 0.3062



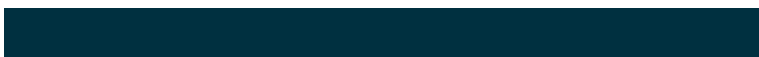
60.9544, 0.2681, 0.2718



19.6655, 0.2980, 0.3229



23.5206, 0.2016, 0.2456



2.4634, 0.2045, 0.2562



# Previews

## White Background



This preview shows how the Yxy color 68.0336, 0.3660, 0.3468 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

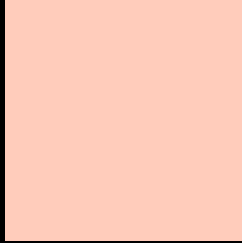
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.0336, 0.3660, 0.3468 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

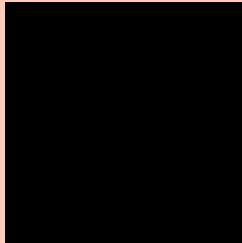
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.0336, 0.3660, 0.3468**

## Background



This preview shows how black text looks on a background with the Yxy color 68.0336, 0.3660, 0.3468.



This preview shows how white text looks on a background with the Yxy color 68.0336, 0.3660, 0.3468.

# 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

68.0336, 0.3660, 0.3468

### Protanopia

68.4142, 0.3362, 0.3546

### Deuteranopia

67.9450, 0.3596, 0.3513



## Tritanopia

67.9396, 0.3447, 0.3148

# Trichromacy



**Original Color**

68.0336, 0.3660, 0.3468

**Protanomaly**

68.1391, 0.3469, 0.3519

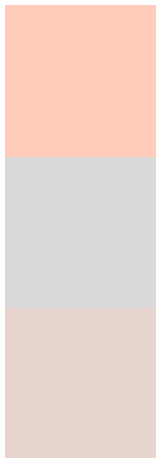
**Deuteranomaly**

68.0118, 0.3622, 0.3501

**Tritanomaly**

67.9088, 0.3523, 0.3260

# Monochromacy



**Original Color**

68.0336, 0.3660, 0.3468

**Achromatopsia**

69.3872, 0.3127, 0.3290

**Achromatomaly**

68.5321, 0.3312, 0.3356

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.0336, 0.3660, 0.3468 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, 204, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 187)  
}
```

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, 204, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 68.0336, 0.3660, 0.3468 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, 204, 187) }
```

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

```
.border{ border-color:rgb(255, 204, 187) }
```

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

Here you see how a box with a 4 pixel rgb(255, 204, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.0336, 0.3660, 0.3468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 187) }
```

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

```
.background{ background-color: rgb(255,  
204, 187) }
```

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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