

# Converting Colors

$Yxy(67.6843, 0.3629, 0.3412)$

Have a look what the booklet for  
Yxy(67.6843, 0.3629, 0.3412)  
contains.

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# Color

**Yxy(67.7335, 0.3631, 0.3416)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCBBF
RGB	255, 203, 191
RGB Percent	100%, 80%, 75%
CMY	0.0000, 0.2039, 0.2511
CMYK	0.00, 0.20, 0.25, 0.00
HSL	11°, 100%, 87%
HSV	11°, 25%, 100%
XYZ	71.9966, 67.7335, 58.5530
YIQ	217.1800, 34.8440, 7.2920

# Conversions

## Conversions Part 2

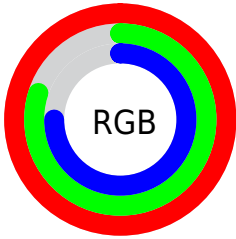
Format	Color
R <sub>Y</sub> B	255, 206, 191
Decimal	16763839
CIE Lab	85.87, 16.68, 13.00
CIE LCh	86, 21.149, 37.942
Yxy	67.7335, 0.3631, 0.3416
Android (android.graphics.Color)	4294953919 (0xFFFFCBBF)
YUV	217.1800, -12.9067, 33.1681
Hunter-Lab	82.3004, 12.1267, 15.4281

# Details

The Yxy color **67.7335, 0.3631, 0.3416** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **82.3700, 0.2746, 0.3160**, and the grayscale version is **69.5908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4954, 0.3173, 0.3367**, and **35.2002, 0.3747, 0.3438** is the 20% darker color. If you saturate the color by 10%, you get **57.5742, 0.3909, 0.3469**, and if you desaturate by 10%, it is **79.4005, 0.3401, 0.3364**.

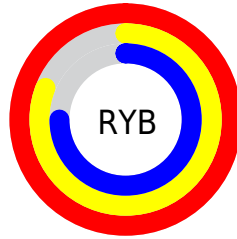
# Distribution



Red (100%)

Green (80%)

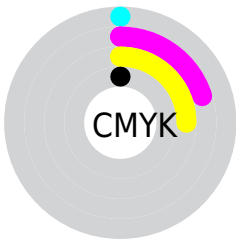
Blue (75%)



Red (100%)

Yellow (81%)

Blue (75%)

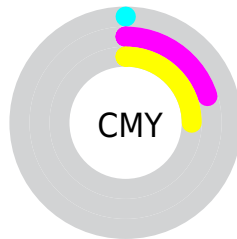


Cyan (0%)

Magenta (20%)

Yellow (25%)

Black (0%)



Cyan (0%)

Magenta (20%)

Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7335, 0.3631, 0.3416 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 67.7335, 0.3631, 0.3416 by changing the saturation by 10% instead.





 67.7335, 0.3631,  
0.3416

 67.7335, 0.3631,  
0.3416


452.5512, 0.3393,  
0.3362

 49.6810, 0.3687,  
0.3427


 115.9708, 0.3547,  
0.3398

 35.1600, 0.3756,  
0.3441

146.9244, 0.3515,  
0.3391

 23.7861, 0.3845,  
0.3456


182.9471, 0.3487,  
0.3385

 15.1750, 0.3963,  
0.3475

224.4233, 0.3463,  
0.3379

 8.9423, 0.4125,  
0.3498

271.7374, 0.3442,  
0.3374

 4.7036, 0.4364,  
0.3522

325.2738, 0.3424,

 2.0744, 0.4745,

0.3369

0.3540

385.4170, 0.3407,  
0.3365

0.6502, 0.6150,  
0.3850

0.0000, 0.0000,  
0.0000

67.7335, 0.3631,  
0.3416

67.7335, 0.3631,  
0.3416

57.5742, 0.3909,  
0.3469

79.4005, 0.3401,  
0.3364

48.8519, 0.4238,  
0.3520

92.6239, 0.3211,  
0.3314

41.5036, 0.4617,  
0.3561

99.9995, 0.3127,  
0.3290

35.4586, 0.5033,  
0.3585

■ 30.6391, 0.5455,  
0.3583

■ 26.9592, 0.5836,  
0.3546

■ 24.3206, 0.6123,  
0.3477

■ 23.3687, 0.6225,  
0.3439

# Harmonies

## Analogous

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



67.7335, 0.3494, 0.3196



67.7335, 0.3631, 0.3416



67.7335, 0.3626, 0.3615

# Triad

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



67.7335, 0.3631, 0.3416



67.7335, 0.2985, 0.3602



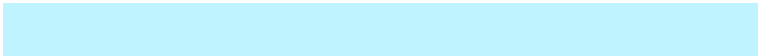
67.7335, 0.2773, 0.2860

# Complementary

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



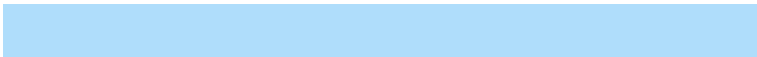
67.7335, 0.3631, 0.3416



82.3700, 0.2746, 0.3160

# 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.



67.7335, 0.2650, 0.2945



67.7335, 0.3631, 0.3416



67.7335, 0.2769, 0.3373

# Square

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



67.7335, 0.3631, 0.3416



67.7335, 0.3246, 0.3737



67.7335, 0.2648, 0.3130



67.7335, 0.2992, 0.2884



# Rectangle

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



67.7335, 0.3631, 0.3416



67.7335, 0.3543, 0.3708



67.7335, 0.2648, 0.3130



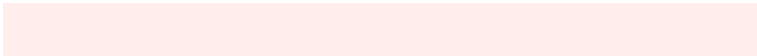
67.7335, 0.2720, 0.2876

# Sweetspot

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



67.7366, 0.3631, 0.3416



88.6380, 0.3262, 0.3328



64.9961, 0.3243, 0.2770



18.5395, 0.3290, 0.3335



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.



67.7366, 0.3631, 0.3416



62.5826, 0.3760, 0.3442



84.2781, 0.3554, 0.3731



18.5395, 0.3290, 0.3335



12.3680, 0.6201, 0.3458

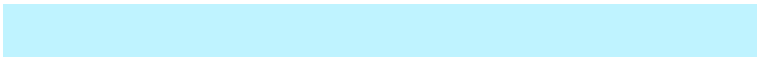


1.3442, 0.6000, 0.3618



# Inverse Universe

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



82.3700, 0.2746, 0.3160



79.4284, 0.2676, 0.3131



65.0042, 0.2714, 0.2805



19.8666, 0.2980, 0.3244



27.3129, 0.2076, 0.2675



2.8023, 0.2098, 0.2753



# Previews

## White Background



This preview shows how the Yxy color 67.7335, 0.3631, 0.3416 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 67.7335, 0.3631, 0.3416 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

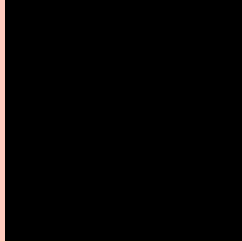
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.7335, 0.3631, 0.3416**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.7335, 0.3631, 0.3416.



This preview shows how white text looks on a background with the Yxy color 67.7335, 0.3631, 0.3416.

# 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

67.7335, 0.3631, 0.3416

### Protanopia

67.8123, 0.3313, 0.3480

### Deuteranopia

67.7558, 0.3549, 0.3472



## Tritanopia

67.9396, 0.3447, 0.3148

# Trichromacy



**Original Color**

67.7335, 0.3631, 0.3416

**Protanomaly**

67.6955, 0.3426, 0.3454

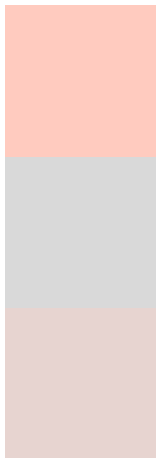
**Deuteranomaly**

68.0001, 0.3583, 0.3459

**Tritanomaly**

67.9573, 0.3515, 0.3250

# Monochromacy



**Original Color**

67.7335, 0.3631, 0.3416

**Achromatopsia**

69.3872, 0.3127, 0.3290

**Achromatomaly**

68.6300, 0.3298, 0.3334

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.7335, 0.3631, 0.3416 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, 203, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 191)  
}
```

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, 203, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 67.7335, 0.3631, 0.3416 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, 203, 191) }
```

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

```
.border{ border-color:rgb(255, 203, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 203, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.7335, 0.3631, 0.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 191) }
```

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

```
.background{ background-color: rgb(255,  
203, 191) }
```

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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