

# Converting Colors

Yxy(69.4446, 0.3339, 0.3042)

Have a look what the booklet for  
Yxy(69.4446, 0.3339, 0.3042)  
contains.

<b>Yxy(69.3841, 0.3338, 0.3038)</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(69.3841, 0.3338, 0.3038)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FECBE4
RGB	254, 203, 228
RGB Percent	100%, 80%, 89%
CMY	0.0039, 0.2039, 0.1059
CMYK	0.00, 0.20, 0.10, 0.00
HSL	331°, 96%, 90%
HSV	331°, 20%, 100%
XYZ	76.2357, 69.3841, 82.7676
YIQ	221.0990, 22.3710, 18.5870

# Conversions

## Conversions Part 2

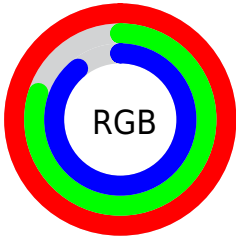
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	254, 203, 228
Decimal	16698340
CIE Lab	86.69, 21.92, -5.47
CIE LCh	87, 22.588, 345.986
Yxy	69.3841, 0.3338, 0.3038
Android (android.graphics.Color)	4294888420 (0xFFFECE4)
YUV	221.0990, 3.4022, 28.8542
Hunter-Lab	83.2971, 17.5980, -0.6051

# Details

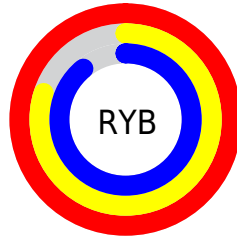
The Yxy color  $69.3841, 0.3338, 0.3038$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $89.2488, 0.2958, 0.3557$ , and the grayscale version is  $72.3458, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $36.3823, 0.3384, 0.2980$  is the 20% darker color. If you saturate the color by 10%, you get  $57.6636, 0.3476, 0.2906$ , and if you desaturate by 10%, it is  $83.1303, 0.3223, 0.3167$ .

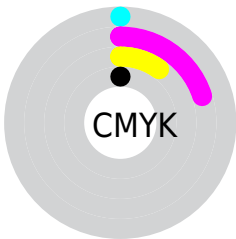
# Distribution



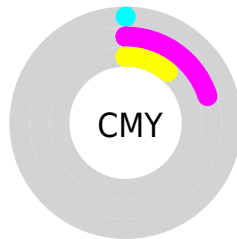
- Red (100%)
- Green (80%)
- Blue (89%)



- Red (100%)
- Yellow (80%)
- Blue (89%)



- Cyan (0%)
- Magenta (20%)
- Yellow (10%)
- Black (0%)




- Cyan (0%)
- Magenta (20%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.3841, 0.3338, 0.3038 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 69.3841, 0.3338, 0.3038 by changing the saturation by 10% instead.




 69.3841, 0.3338,  
0.3038

 69.3841, 0.3338,  
0.3038


458.3845, 0.3241,  
0.3153

 51.0246, 0.3360,  
0.3012


118.3300, 0.3304,  
0.3078

 36.2282, 0.3388,  
0.2980


149.6852, 0.3291,  
0.3093

 24.6105, 0.3422,  
0.2940

186.1411, 0.3280,  
0.3107

 15.7871, 0.3467,  
0.2887

228.0820, 0.3270,  
0.3118

 9.3736, 0.3529,  
0.2816

275.8925, 0.3261,  
0.3129

 4.9857, 0.3618,  
0.2716

329.9567, 0.3254,

 2.2389, 0.3756,

0.3138

0.2561

390.6593, 0.3247,  
0.3146

0.7411, 0.4012,  
0.2278

0.0000, 1.0000,  
0.0000

69.3841, 0.3338,  
0.3038

69.3841, 0.3338,  
0.3038

57.6636, 0.3476,  
0.2906

83.1303, 0.3223,  
0.3167

47.8626, 0.3641,  
0.2774

98.9830, 0.3128,  
0.3289

39.8794, 0.3833,  
0.2652

99.8138, 0.3121,  
0.3290

33.5991, 0.4052,  
0.2548

■ 28.8936, 0.4293,  
0.2476

■ 25.6160, 0.4549,  
0.2449

■ 23.5918, 0.4804,  
0.2476

■ 22.5403, 0.5044,  
0.2553

# Harmonies

## Analogous

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



69.3841, 0.3057, 0.2887



69.3841, 0.3338, 0.3038



69.3841, 0.3568, 0.3252

# Triad

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



69.3841, 0.3338, 0.3038



69.3841, 0.3442, 0.3779



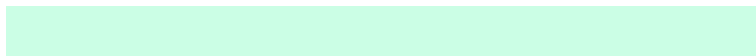
69.3841, 0.2608, 0.3058

# Complementary

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



69.3841, 0.3338, 0.3038



89.2488, 0.2958, 0.3557

# 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.



69.3841, 0.2702, 0.3306



69.3841, 0.3338, 0.3038



69.3841, 0.3178, 0.3740

# Square

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



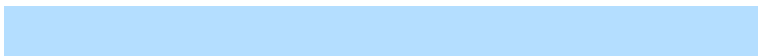
69.3841, 0.3338, 0.3038



69.3841, 0.3627, 0.3678



69.3841, 0.2907, 0.3562



69.3841, 0.2646, 0.2889



# Rectangle

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



69.3841, 0.3338, 0.3038



69.3841, 0.3656, 0.3407



69.3841, 0.2907, 0.3562



69.3841, 0.2625, 0.3135

# Sweetspot

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



69.3872, 0.3338, 0.3038



90.1312, 0.3182, 0.3218



66.4463, 0.2967, 0.2761



19.0720, 0.3188, 0.3210



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.



69.3872, 0.3338, 0.3038



65.1246, 0.3389, 0.2986



68.0980, 0.3529, 0.3291



18.1354, 0.3217, 0.3174



11.9115, 0.5007, 0.2532



1.1818, 0.4747, 0.2389



# Inverse Universe

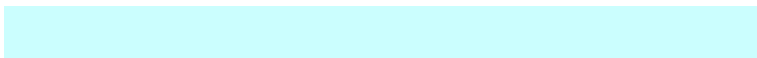
The Inverse Universe completely reimagines the original color for something new.



69.3872, 0.3338, 0.3038



65.1246, 0.3389, 0.2986



90.7471, 0.2826, 0.3289



18.1354, 0.3217, 0.3174



11.9115, 0.5007, 0.2532



1.1818, 0.4747, 0.2389



# Previews

## White Background



This preview shows how the Yxy color 69.3841, 0.3338, 0.3038 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

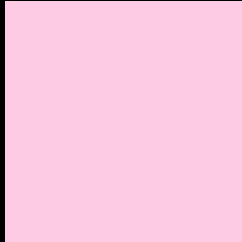
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.3841, 0.3338, 0.3038 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 69.3841, 0.3338, 0.3038**

## Background



This preview shows how black text looks on a background with the Yxy color 69.3841, 0.3338, 0.3038.



This preview shows how white text looks on a background with the Yxy color 69.3841, 0.3338, 0.3038.

# 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

69.3841, 0.3338, 0.3038

### Protanopia

69.7668, 0.2996, 0.3073

### Deuteranopia

69.6270, 0.3187, 0.3121



## Tritanopia

69.2357, 0.3389, 0.3128

# Trichromacy



## Original Color

69.3841, 0.3338, 0.3038

## Protanomaly

69.2947, 0.3116, 0.3057

## Deuteranomaly

69.3586, 0.3241, 0.3092

## Tritanomaly

69.3961, 0.3366, 0.3097

# Monochromacy



## Original Color

69.3841, 0.3338, 0.3038

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

70.7986, 0.3198, 0.3184

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.3841, 0.3338, 0.3038 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(254, 203, 228)` looks like.

```
.text, #text, p{  
    color:rgb(254, 203, 228)  
}
```

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(254, 203, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 203, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 69.3841, 0.3338, 0.3038 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(254, 203, 228) }
```

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

```
.border{ border-color:rgb(254, 203, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 203, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 203, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 203, 228);  
box-shadow:4px 4px 4px 4px rgb(254, 203,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.3841, 0.3338, 0.3038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 203, 228) }
```

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

```
.background{ background-color: rgb(254,  
203, 228) }
```

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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