

# Converting Colors

$Y_{xy}(76.3034, 0.3442, 0.3052)$

Have a look what the booklet for  
Yxy(76.3034, 0.3442, 0.3052)  
contains.

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# Color

**Yxy(72.2549, 0.3303, 0.3040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD0E9
RGB	255, 208, 233
RGB Percent	100%, 82%, 91%
CMY	0.0000, 0.1843, 0.0862
CMYK	0.00, 0.18, 0.09, 0.00
HSL	328°, 100%, 91%
HSV	328°, 18%, 100%
XYZ	78.5059, 72.2549, 86.9198
YIQ	224.9030, 19.9870, 17.7390

# Conversions

## Conversions Part 2

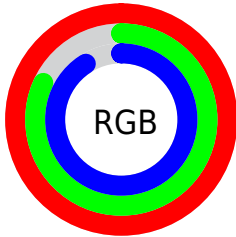
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 208, 233
Decimal	16765161
CIE Lab	88.09, 20.46, -6.06
CIE LCh	88, 21.339, 343.492
Yxy	72.2549, 0.3303, 0.3040
Android (android.graphics.Color)	4294955241 (0xFFFFD0E9)
YUV	224.9030, 3.9918, 26.3951
Hunter-Lab	85.0029, 16.1018, -1.1250

# Details

The Yxy color  $72.2549, 0.3303, 0.3040$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $90.6406, 0.2982, 0.3554$ , and the grayscale version is  $75.1845, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $37.9626, 0.3349, 0.2983$  is the 20% darker color. If you saturate the color by 10%, you get  $60.1486, 0.3426, 0.2897$ , and if you desaturate by 10%, it is  $86.4126, 0.3200, 0.3179$ .

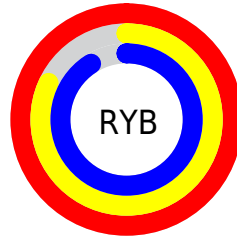
# Distribution



Red (100%)

Green (82%)

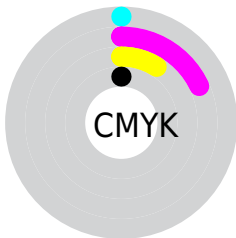
Blue (91%)



Red (100%)

Yellow (82%)

Blue (91%)

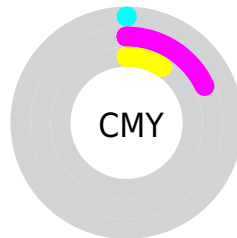


Cyan (0%)

Magenta (18%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2549, 0.3303, 0.3040 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 72.2549, 0.3303, 0.3040 by changing the saturation by 10% instead.



 72.2549, 0.3303,  
0.3040

 72.2549, 0.3303,  
0.3040

468.4283, 0.3223,  
0.3154

 53.3669, 0.3321,  
0.3015


122.4189, 0.3275,  
0.3079

 38.0958, 0.3343,  
0.2983


154.4636, 0.3265,  
0.3094

 26.0570, 0.3371,  
0.2944


191.6628, 0.3255,  
0.3107

 16.8663, 0.3408,  
0.2894

234.4008, 0.3247,  
0.3119

 10.1392, 0.3457,  
0.2826

283.0619, 0.3240,  
0.3129

 5.4914, 0.3527,  
0.2730

338.0306, 0.3233,

 2.5383, 0.3634,

0.3138

0.2586

399.6913, 0.3228,  
0.3146

0.8958, 0.3819,  
0.2343

0.0000, 0.6064,  
0.0000

72.2549, 0.3303,  
0.3040

72.2549, 0.3303,  
0.3040

60.1486, 0.3426,  
0.2897

86.4126, 0.3200,  
0.3179

49.9877, 0.3572,  
0.2754

99.9995, 0.3127,  
0.3290

41.6715, 0.3742,  
0.2619

35.0860, 0.3936,  
0.2502

■ 30.1047, 0.4149,  
0.2415

■ 26.5834, 0.4376,  
0.2370

■ 24.3518, 0.4605,  
0.2378

■ 23.1716, 0.4826,  
0.2439

■ 23.0310, 0.4861,  
0.2451

# Harmonies

## Analogous

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



72.2549, 0.3041, 0.2905



72.2549, 0.3303, 0.3040



72.2549, 0.3524, 0.3237

# Triad

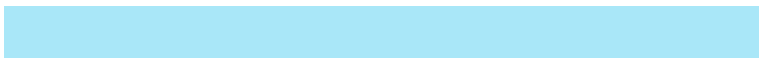
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.2549, 0.3303, 0.3040



72.2549, 0.3440, 0.3742



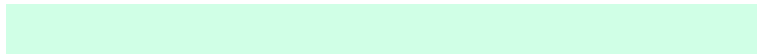
72.2549, 0.2645, 0.3092

# Complementary

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



72.2549, 0.3303, 0.3040



90.6406, 0.2982, 0.3554

# 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.



72.2549, 0.2743, 0.3326



72.2549, 0.3303, 0.3040



72.2549, 0.3197, 0.3716

# Square

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



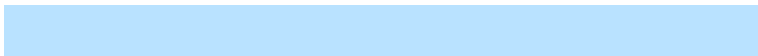
72.2549, 0.3303, 0.3040



72.2549, 0.3602, 0.3641



72.2549, 0.2942, 0.3561



72.2549, 0.2670, 0.2926



# Rectangle

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



72.2549, 0.3303, 0.3040



72.2549, 0.3613, 0.3383



72.2549, 0.2942, 0.3561



72.2549, 0.2664, 0.3165

# Sweetspot

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



72.2581, 0.3303, 0.3040



90.1715, 0.3178, 0.3211



69.1458, 0.2971, 0.2806



19.0815, 0.3184, 0.3203



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.



72.2581, 0.3303, 0.3040



67.7053, 0.3345, 0.2989



71.0051, 0.3477, 0.3275



18.1488, 0.3210, 0.3164



12.0650, 0.4826, 0.2432



1.1968, 0.4591, 0.2303



# Inverse Universe

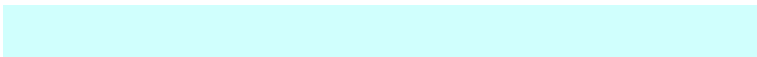
The Inverse Universe completely reimagines the original color for something new.



72.2581, 0.3303, 0.3040



67.7053, 0.3345, 0.2989



92.0483, 0.2857, 0.3305



18.1488, 0.3210, 0.3164



12.0650, 0.4826, 0.2432



1.1968, 0.4591, 0.2303



# Previews

## White Background



This preview shows how the Yxy color 72.2549, 0.3303, 0.3040 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

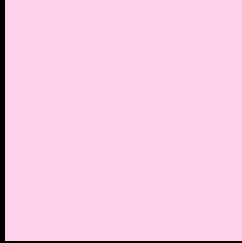
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.2549, 0.3303, 0.3040 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

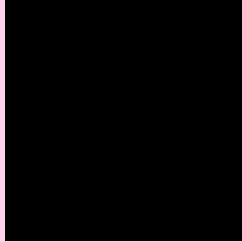
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.2549, 0.3303, 0.3040**

## Background



This preview shows how black text looks on a background with the Yxy color 72.2549, 0.3303, 0.3040.



This preview shows how white text looks on a background with the Yxy color 72.2549, 0.3303, 0.3040.

# 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

72.2549, 0.3303, 0.3040

### Protanopia

72.6933, 0.2998, 0.3077

### Deuteranopia

72.6042, 0.3179, 0.3114



## Tritanopia

72.1627, 0.3345, 0.3119

# Trichromacy



## Original Color

72.2549, 0.3303, 0.3040

## Protanomaly

72.5498, 0.3109, 0.3071

## Deuteranomaly

72.1463, 0.3225, 0.3085

## Tritanomaly

72.3289, 0.3324, 0.3089

# Monochromacy



## Original Color

72.2549, 0.3303, 0.3040

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

74.0973, 0.3189, 0.3196

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.2549, 0.3303, 0.3040 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, 208, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 233)  
}
```

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, 208, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 72.2549, 0.3303, 0.3040 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, 208, 233) }
```

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

```
.border{ border-color:rgb(255, 208, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 208, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.2549, 0.3303, 0.3040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 233) }
```

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

```
.background{ background-color: rgb(255,  
208, 233) }
```

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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