

# Converting Colors

$Y_{xy}(72.3677, 0.3312, 0.3057)$

Have a look what the booklet for  
Yxy(72.3677, 0.3312, 0.3057)  
contains.

<b>Yxy(72.1979, 0.3310, 0.3050)</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(72.1979, 0.3310, 0.3050)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD0E8
RGB	255, 208, 232
RGB Percent	100%, 82%, 91%
CMY	0.0002, 0.1842, 0.0901
CMYK	0.00, 0.18, 0.09, 0.00
HSL	329°, 100%, 91%
HSV	329°, 18%, 100%
XYZ	78.3525, 72.1979, 86.1641
YIQ	224.7890, 20.3080, 17.4280

# Conversions

## Conversions Part 2

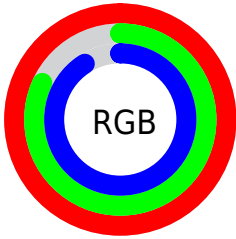
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 208, 232
Decimal	16765160
CIE Lab	88.06, 20.27, -5.57
CIE LCh	88, 21.023, 344.632
Yxy	72.1979, 0.3310, 0.3050
Android (android.graphics.Color)	4294955240 (0xFFFFD0E8)
YUV	224.7890, 3.5550, 26.4950
Hunter-Lab	84.9693, 15.9032, -0.6451

# Details

The Yxy color  $72.1979, 0.3310, 0.3050$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $90.6749, 0.2977, 0.3543$ , and the grayscale version is  $75.0992, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $37.9228, 0.3359, 0.2996$  is the 20% darker color. If you saturate the color by 10%, you get  $60.0672, 0.3439, 0.2912$ , and if you desaturate by 10%, it is  $86.3835, 0.3203, 0.3183$ .

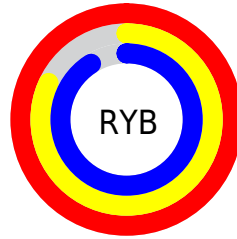
# Distribution



Red (100%)

Green (82%)

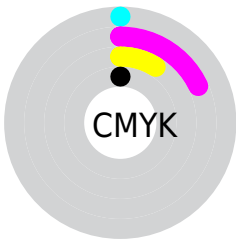
Blue (91%)



Red (100%)

Yellow (82%)

Blue (91%)

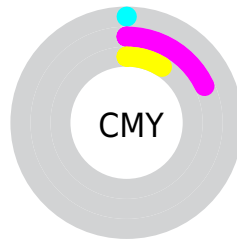


Cyan (0%)

Magenta (18%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1979, 0.3310, 0.3050 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 72.1979, 0.3310, 0.3050 by changing the saturation by 10% instead.




 72.1979, 0.3310,  
0.3050

 72.1979, 0.3310,  
0.3050


468.2301, 0.3226,  
0.3159

 53.3204, 0.3329,  
0.3026

122.3378, 0.3281,  
0.3088

 38.0586, 0.3352,  
0.2995

154.3690, 0.3270,  
0.3102

 26.0281, 0.3382,  
0.2958


191.5536, 0.3260,  
0.3115

 16.8447, 0.3420,  
0.2909

234.2758, 0.3252,  
0.3126

 10.1238, 0.3471,  
0.2844

282.9202, 0.3244,  
0.3136

 5.4811, 0.3545,  
0.2751

337.8711, 0.3238,

 2.5322, 0.3658,

0.3144

0.2611

399.5130, 0.3232,  
0.3152

0.8927, 0.3854,  
0.2374

0.0000, 0.6509,  
0.0000

72.1979, 0.3310,  
0.3050

72.1979, 0.3310,  
0.3050

60.0672, 0.3439,  
0.2912

86.3835, 0.3203,  
0.3183

49.8856, 0.3591,  
0.2775

99.9926, 0.3127,  
0.3290

41.5521, 0.3770,  
0.2645

34.9527, 0.3974,  
0.2533

■ 29.9608, 0.4200,  
0.2450

■ 26.4322, 0.4440,  
0.2410

■ 24.1965, 0.4683,  
0.2422

■ 23.0158, 0.4916,  
0.2489

■ 22.8740, 0.4952,  
0.2502

# Harmonies

## Analogous

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



72.1979, 0.3052, 0.2914



72.1979, 0.3310, 0.3050



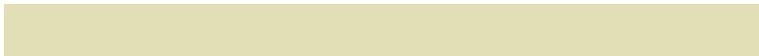
72.1979, 0.3524, 0.3246

# Triad

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



72.1979, 0.3310, 0.3050



72.1979, 0.3427, 0.3737



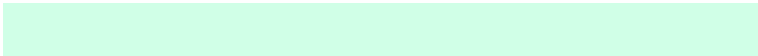
72.1979, 0.2651, 0.3087

# Complementary

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



72.1979, 0.3310, 0.3050



90.6749, 0.2977, 0.3543

# 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.



72.1979, 0.2742, 0.3316



72.1979, 0.3310, 0.3050



72.1979, 0.3186, 0.3706

# Square

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



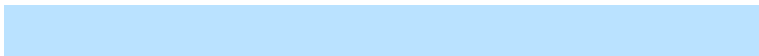
72.1979, 0.3310, 0.3050



72.1979, 0.3592, 0.3641



72.1979, 0.2936, 0.3549



72.1979, 0.2680, 0.2927



# Rectangle

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



72.1979, 0.3310, 0.3050



72.1979, 0.3609, 0.3390



72.1979, 0.2936, 0.3549



72.1979, 0.2668, 0.3159

# Sweetspot

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



72.2011, 0.3310, 0.3050



90.1514, 0.3180, 0.3214



69.2790, 0.2976, 0.2807



19.0768, 0.3186, 0.3206



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.



72.2011, 0.3310, 0.3050



67.6392, 0.3354, 0.3001



70.9674, 0.3482, 0.3283



18.1421, 0.3214, 0.3169



11.9866, 0.4916, 0.2482



1.1892, 0.4668, 0.2345



# Inverse Universe

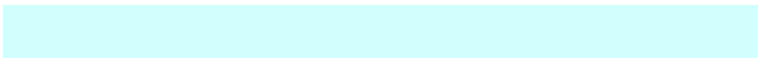
The Inverse Universe completely reimagines the original color for something new.



72.2011, 0.3310, 0.3050



67.6392, 0.3354, 0.3001



92.0749, 0.2854, 0.3297



18.1421, 0.3214, 0.3169



11.9866, 0.4916, 0.2482



1.1892, 0.4668, 0.2345



# Previews

## White Background



This preview shows how the Yxy color 72.1979, 0.3310, 0.3050 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

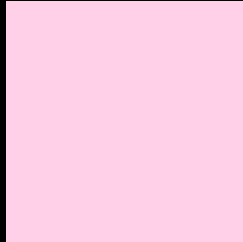
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.1979, 0.3310, 0.3050 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

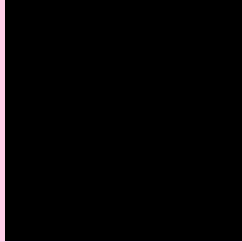
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.1979, 0.3310, 0.3050**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.1979, 0.3310, 0.3050.

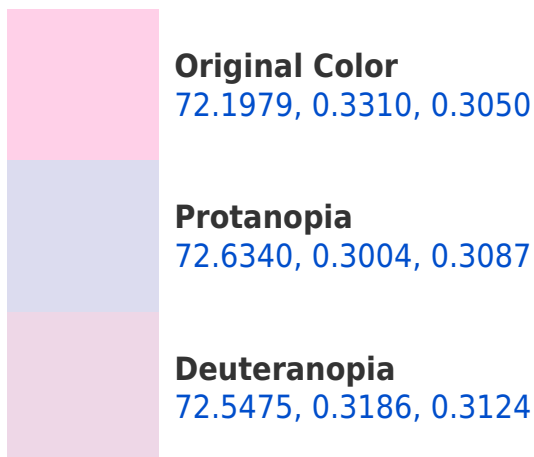


This preview shows how white text looks on a background with the Yxy color 72.1979, 0.3310, 0.3050.

# 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





## Tritanopia

72.1080, 0.3353, 0.3129

# Trichromacy



## Original Color

72.1979, 0.3310, 0.3050

## Protanomaly

72.4915, 0.3115, 0.3081

## Deuteranomaly

72.0896, 0.3232, 0.3095

## Tritanomaly

72.2732, 0.3331, 0.3099

# Monochromacy



## Original Color

72.1979, 0.3310, 0.3050

## 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 72.1979, 0.3310, 0.3050 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 72.1979, 0.3310, 0.3050 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, 232) }
```

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

```
.border{ border-color:rgb(255, 208, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.1979, 0.3310, 0.3050 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, 232) }
```

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

```
.background{ background-color: rgb(255,  
208, 232) }
```

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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