

# Converting Colors

$Yxy(81.6536, 0.3656, 0.3079)$

Have a look what the booklet for  
Yxy(81.6536, 0.3656, 0.3079)  
contains.

<b>Yxy(72.1413, 0.3318, 0.3060)</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(72.1413, 0.3318, 0.3060)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD0E7
RGB	255, 208, 231
RGB Percent	100%, 82%, 91%
CMY	0.0000, 0.1843, 0.0942
CMYK	0.00, 0.18, 0.09, 0.00
HSL	331°, 100%, 91%
HSV	331°, 18%, 100%
XYZ	78.2238, 72.1413, 85.3908
YIQ	224.6750, 20.6290, 17.1170

# Conversions

## Conversions Part 2

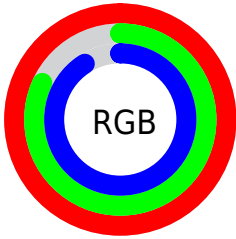
Format	Color
R <sub>Y</sub> B	255, 208, 231
Decimal	16765159
CIE Lab	88.04, 20.13, -5.06
CIE LCh	88, 20.759, 345.883
Yxy	72.1413, 0.3318, 0.3060
Android (android.graphics.Color)	4294955239 (0xFFFFD0E7)
YUV	224.6750, 3.1182, 26.5950
Hunter-Lab	84.9360, 15.7556, -0.1522

# Details

The Yxy color  $72.1413, 0.3318, 0.3060$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $90.7568, 0.2971, 0.3532$ , and the grayscale version is  $75.0133, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $37.8834, 0.3368, 0.3008$  is the 20% darker color. If you saturate the color by 10%, you get  $59.9804, 0.3452, 0.2928$ , and if you desaturate by 10%, it is  $86.3535, 0.3206, 0.3188$ .

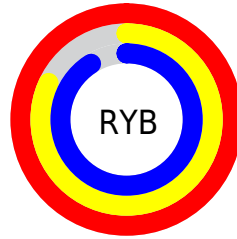
# Distribution



Red (100%)

Green (82%)

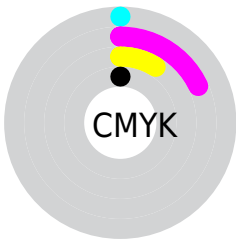
Blue (91%)



Red (100%)

Yellow (82%)

Blue (91%)

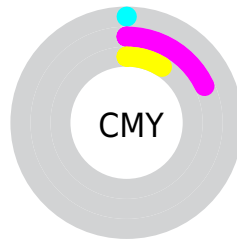


Cyan (0%)

Magenta (18%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1413, 0.3318, 0.3060 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 72.1413, 0.3318, 0.3060 by changing the saturation by 10% instead.




 72.1413, 0.3318,  
0.3060

 72.1413, 0.3318,  
0.3060


468.0333, 0.3231,  
0.3165

 53.2741, 0.3338,  
0.3036


122.2574, 0.3288,  
0.3096

 38.0216, 0.3362,  
0.3008

154.2751, 0.3276,  
0.3110

 25.9995, 0.3393,  
0.2971


191.4451, 0.3266,  
0.3122

 16.8233, 0.3433,  
0.2924

234.1518, 0.3257,  
0.3133

 10.1086, 0.3487,  
0.2861

282.7795, 0.3249,  
0.3142

 5.4710, 0.3565,  
0.2772

337.7128, 0.3242,

 2.5262, 0.3685,

0.3151

0.2636

399.3359, 0.3236,  
0.3158

0.8897, 0.3894,  
0.2405

0.0000, 0.7083,  
0.0000

72.1413, 0.3318,  
0.3060

72.1413, 0.3318,  
0.3060

59.9804, 0.3452,  
0.2928

86.3535, 0.3206,  
0.3188

49.7779, 0.3612,  
0.2796

100.0000, 0.3127,  
0.3290

41.4283, 0.3800,  
0.2672

34.8172, 0.4016,  
0.2565

■ 29.8179, 0.4255,  
0.2487

■ 26.2859, 0.4509,  
0.2452

■ 24.0503, 0.4766,  
0.2470

■ 22.8726, 0.5011,  
0.2541

■ 22.7332, 0.5049,  
0.2555

# Harmonies

## Analogous

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



72.1413, 0.3064, 0.2922



72.1413, 0.3318, 0.3060



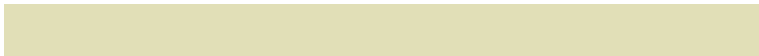
72.1413, 0.3526, 0.3255

# Triad

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



72.1413, 0.3318, 0.3060



72.1413, 0.3415, 0.3733



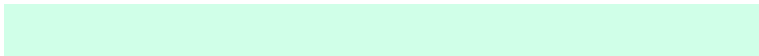
72.1413, 0.2655, 0.3082

# Complementary

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



72.1413, 0.3318, 0.3060



90.7568, 0.2971, 0.3532

# 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.



72.1413, 0.2741, 0.3306



72.1413, 0.3318, 0.3060



72.1413, 0.3175, 0.3697

# Square

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



72.1413, 0.3318, 0.3060



72.1413, 0.3581, 0.3643



72.1413, 0.2929, 0.3537



72.1413, 0.2689, 0.2927



# Rectangle

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



72.1413, 0.3318, 0.3060



72.1413, 0.3606, 0.3397



72.1413, 0.2929, 0.3537



72.1413, 0.2671, 0.3151

# Sweetspot

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



72.1401, 0.3318, 0.3060



90.1303, 0.3182, 0.3218



69.4037, 0.2982, 0.2807



19.0718, 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.



72.1401, 0.3318, 0.3060



67.5703, 0.3363, 0.3013



70.9255, 0.3489, 0.3291



18.1352, 0.3217, 0.3174



11.9085, 0.5011, 0.2534



1.1815, 0.4751, 0.2391



# Inverse Universe

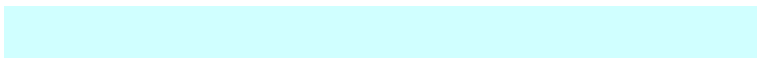
The Inverse Universe completely reimagines the original color for something new.



72.1401, 0.3318, 0.3060



67.5703, 0.3363, 0.3013



92.1498, 0.2849, 0.3289



18.1352, 0.3217, 0.3174



11.9085, 0.5011, 0.2534



1.1815, 0.4751, 0.2391



# Previews

## White Background



This preview shows how the Yxy color 72.1413, 0.3318, 0.3060 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

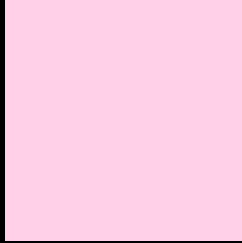
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.1413, 0.3318, 0.3060 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

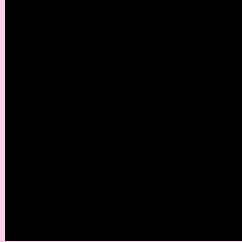
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.1413, 0.3318, 0.3060**

## Background



This preview shows how black text looks on a background with the Yxy color 72.1413, 0.3318, 0.3060.

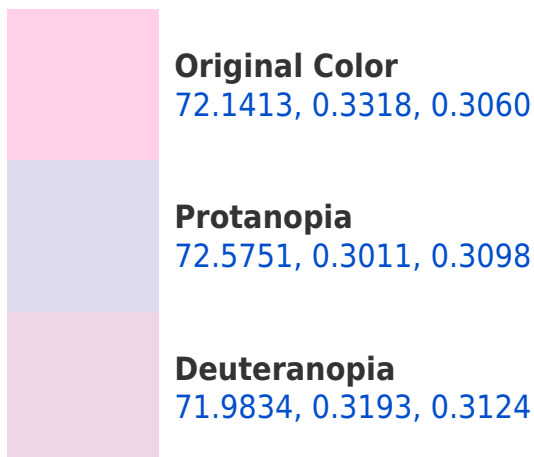


This preview shows how white text looks on a background with the Yxy color 72.1413, 0.3318, 0.3060.

# 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

72.1413, 0.3318, 0.3060

## Protanomaly

72.4335, 0.3122, 0.3091

## Deuteranomaly

72.0332, 0.3239, 0.3105

## Tritanomaly

72.2178, 0.3338, 0.3109

# Monochromacy



## Original Color

72.1413, 0.3318, 0.3060

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

74.0420, 0.3196, 0.3207

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.1413, 0.3318, 0.3060 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 72.1413, 0.3318, 0.3060 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, 231) }
```

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

```
.border{ border-color:rgb(255, 208, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.1413, 0.3318, 0.3060 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, 231) }
```

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

```
.background{ background-color: rgb(255,  
208, 231) }
```

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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