

# Converting Colors

$Yxy(71.4296, 0.3298, 0.3082)$

Have a look what the booklet for  
Yxy(71.4296, 0.3298, 0.3082)  
contains.

<b>Yxy(71.2781, 0.3302, 0.3077)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(71.2781, 0.3302, 0.3077)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBD0E5
RGB	251, 208, 229
RGB Percent	98%, 82%, 90%
CMY	0.0156, 0.1843, 0.1018
CMYK	0.00, 0.17, 0.09, 0.02
HSL	331°, 84%, 90%
HSV	331°, 17%, 98%
XYZ	76.4902, 71.2781, 83.8798
YIQ	223.2510, 18.8870, 15.6470

# Conversions

## Conversions Part 2

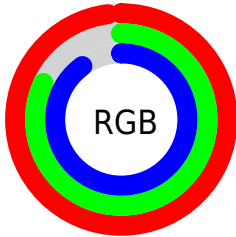
Format	Color
R <sub>Y</sub> B	251, 208, 229
Decimal	16503013
CIE Lab	87.62, 18.44, -4.69
CIE LCh	88, 19.027, 345.739
Yxy	71.2781, 0.3302, 0.3077
Android (android.graphics.Color)	4294693093 (0xFFFFBD0E5)
YUV	223.2510, 2.8343, 24.3359
Hunter-Lab	84.4264, 13.9747, 0.1923

# Details

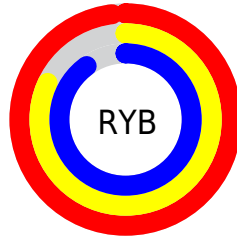
The Yxy color **71.2781, 0.3302, 0.3077** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **88.1259, 0.2982, 0.3513**, and the grayscale version is **73.9529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.3078, 0.3338, 0.3017** is the 20% darker color. If you saturate the color by 10%, you get **59.3044, 0.3433, 0.2946**, and if you desaturate by 10%, it is **85.2480, 0.3193, 0.3204**.

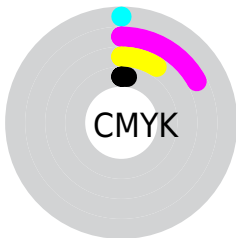
# Distribution



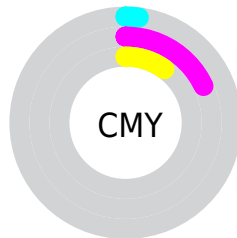
- Red (98%)
- Green (82%)
- Blue (90%)



- Red (98%)
- Yellow (82%)
- Blue (90%)



- Cyan (0%)
- Magenta (17%)
- Yellow (9%)
- Black (2%)




- Cyan (2%)
- Magenta (18%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.2781, 0.3302, 0.3077 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 71.2781, 0.3302, 0.3077 by changing the saturation by 10% instead.




 71.2781, 0.3302,  
0.3077

 71.2781, 0.3302,  
0.3077


465.0250, 0.3222,  
0.3174

 52.5692, 0.3320,  
0.3055


121.0296, 0.3274,  
0.3111

 37.4590, 0.3343,  
0.3028


152.8410, 0.3263,  
0.3124

 25.5630, 0.3371,  
0.2994


189.7887, 0.3254,  
0.3135

 16.4970, 0.3408,  
0.2950

232.2570, 0.3246,  
0.3145

 9.8765, 0.3459,  
0.2891

280.6304, 0.3239,  
0.3154

 5.3172, 0.3531,  
0.2806

335.2933, 0.3232,

 2.4345, 0.3644,

0.3161

0.2676

396.6300, 0.3227,  
0.3168

0.8436, 0.3843,  
0.2452

0.0000, 0.8304,  
0.0000

71.2781, 0.3302,  
0.3077

71.2781, 0.3302,  
0.3077

59.3044, 0.3433,  
0.2946

85.2480, 0.3193,  
0.3204

49.2255, 0.3590,  
0.2813

99.2321, 0.3104,  
0.3293

40.9450, 0.3774,  
0.2688

99.2523, 0.3103,  
0.3290

34.3546, 0.3985,  
0.2578

■ 29.3339, 0.4221,  
0.2495

■ 25.7465, 0.4474,  
0.2454

■ 23.4322, 0.4731,  
0.2464

■ 22.1856, 0.4978,  
0.2529

■ 21.9362, 0.5047,  
0.2554

# Harmonies

## Analogous

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



71.2781, 0.3068, 0.2950



71.2781, 0.3302, 0.3077



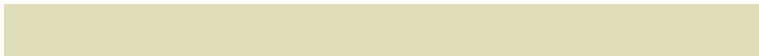
71.2781, 0.3493, 0.3258

# Triad

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



71.2781, 0.3302, 0.3077



71.2781, 0.3393, 0.3697



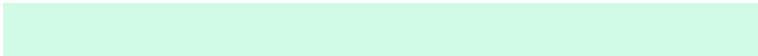
71.2781, 0.2692, 0.3100

# Complementary

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



71.2781, 0.3302, 0.3077



88.1259, 0.2982, 0.3513

# 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.



71.2781, 0.2772, 0.3307



71.2781, 0.3302, 0.3077



71.2781, 0.3173, 0.3663

# Square

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



71.2781, 0.3302, 0.3077



71.2781, 0.3546, 0.3615



71.2781, 0.2946, 0.3518



71.2781, 0.2722, 0.2956



# Rectangle

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



71.2781, 0.3302, 0.3077



71.2781, 0.3567, 0.3389



71.2781, 0.2946, 0.3518



71.2781, 0.2706, 0.3164

# Sweetspot

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



71.2813, 0.3302, 0.3077



91.7207, 0.3172, 0.3230



68.8174, 0.2994, 0.2844



19.3923, 0.3179, 0.3221



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.



71.2813, 0.3302, 0.3077



68.8248, 0.3350, 0.3026



70.1761, 0.3458, 0.3291



17.3667, 0.3217, 0.3175



11.5581, 0.5009, 0.2533



1.0918, 0.4736, 0.2383



# Inverse Universe

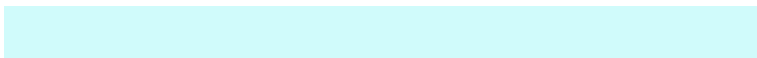
The Inverse Universe completely reimagines the original color for something new.



71.2813, 0.3302, 0.3077



68.8248, 0.3350, 0.3026



89.3800, 0.2868, 0.3289



17.3667, 0.3217, 0.3175



11.5581, 0.5009, 0.2533

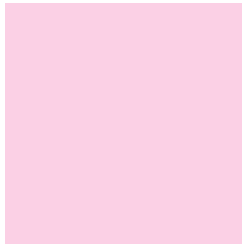


1.0918, 0.4736, 0.2383



# Previews

## White Background



This preview shows how the Yxy color 71.2781, 0.3302, 0.3077 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

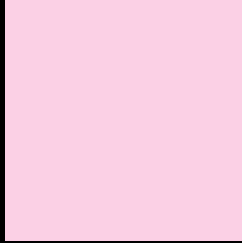
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.2781, 0.3302, 0.3077 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

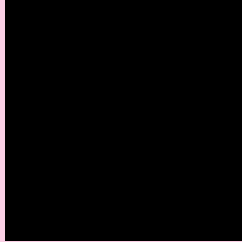
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.2781, 0.3302, 0.3077**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.2781, 0.3302, 0.3077.



This preview shows how white text looks on a background with the Yxy color 71.2781, 0.3302, 0.3077.

# 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

71.2781, 0.3302, 0.3077

### Protanopia

71.7213, 0.3023, 0.3118

### Deuteranopia

71.1945, 0.3200, 0.3133



## Tritanopia

71.3612, 0.3322, 0.3127

# Trichromacy



## Original Color

71.2781, 0.3302, 0.3077

## Protanomaly

71.4730, 0.3122, 0.3100

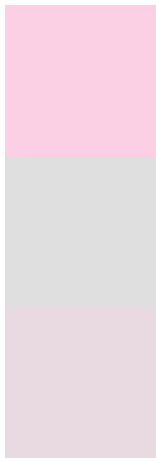
## Deuteranomaly

71.0672, 0.3239, 0.3114

## Tritanomaly

71.4159, 0.3315, 0.3117

# Monochromacy



## Original Color

71.2781, 0.3302, 0.3077

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

72.9027, 0.3188, 0.3216

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.2781, 0.3302, 0.3077 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(251, 208, 229)` looks like.

```
.text, #text, p{  
    color:rgb(251, 208, 229)  
}
```

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(251, 208, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 208, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 71.2781, 0.3302, 0.3077 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(251, 208, 229) }
```

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

```
.border{ border-color:rgb(251, 208, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 208, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 208, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 208, 229);  
box-shadow:4px 4px 4px 4px rgb(251, 208,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.2781, 0.3302, 0.3077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 208, 229) }
```

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

```
.background{ background-color: rgb(251,  
208, 229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor