

# Converting Colors

Yxy(66.0371, 0.3222, 0.2901)

Have a look what the booklet for  
Yxy(66.0371, 0.3222, 0.2901)  
contains.

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# Color

**Yxy(66.0371, 0.3222, 0.2901)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6C6EC
RGB	246, 198, 236
RGB Percent	96%, 78%, 93%
CMY	0.0353, 0.2235, 0.0744
CMYK	0.00, 0.20, 0.04, 0.04
HSL	312°, 73%, 87%
HSV	312°, 20%, 96%
XYZ	73.3442, 66.0371, 88.2543
YIQ	216.6840, 16.4100, 21.9940

# Conversions

## Conversions Part 2

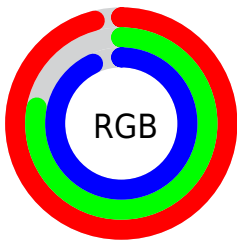
Format	Color
R <sub>Y</sub> B	246, 198, 236
Decimal	16172780
CIE Lab	85.02, 23.20, -12.31
CIE LCh	85, 26.265, 332.049
Yxy	66.0371, 0.3222, 0.2901
Android (android.graphics.Color)	4294362860 (0xFFFF6C6EC)
YUV	216.6840, 9.5228, 25.7101
Hunter-Lab	81.2632, 18.8947, -7.5065

# Details

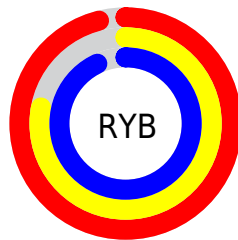
The Yxy color **66.0371, 0.3222, 0.2901** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **82.4744, 0.3045, 0.3713**, and the grayscale version is **69.0884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.0606, 0.3241, 0.2816** is the 20% darker color. If you saturate the color by 10%, you get **55.3991, 0.3282, 0.2696**, and if you desaturate by 10%, it is **78.5158, 0.3170, 0.3104**.

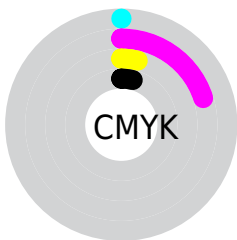
# Distribution



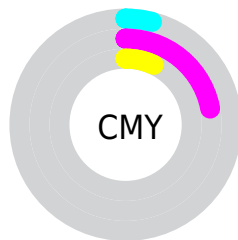
- Red (96%)
- Green (78%)
- Blue (93%)



- Red (96%)
- Yellow (78%)
- Blue (93%)



- Cyan (0%)
- Magenta (20%)
- Yellow (4%)
- Black (4%)




- Cyan (4%)
- Magenta (22%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.0371, 0.3222, 0.2901 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 66.0371, 0.3222, 0.2901 by changing the saturation by 10% instead.



 66.0371, 0.3222,  
0.2901

 66.0371, 0.3222,  
0.2901

446.5096, 0.3180,  
0.3078

 48.3025, 0.3231,  
0.2861


113.5396, 0.3208,  
0.2962

 34.0665, 0.3242,  
0.2812


144.0763, 0.3202,  
0.2986

 22.9447, 0.3256,  
0.2751


179.6491, 0.3197,  
0.3006

 14.5527, 0.3273,  
0.2672

220.6425, 0.3193,  
0.3024

 8.5061, 0.3295,  
0.2566

267.4409, 0.3189,  
0.3040

 4.4204, 0.3325,  
0.2417


320.4286, 0.3186,


 1.9114, 0.3366,


0.3054


0.2191


379.9900, 0.3183,  
0.3067


 0.5552, 0.3465,  
0.1718


 0.0000, 0.1388,  
0.0000


 66.0371, 0.3222,  
0.2901


 66.0371, 0.3222,  
0.2901


 55.3991, 0.3282,  
0.2696

 78.5158, 0.3170,  
0.3104


 46.5050, 0.3349,  
0.2495

 92.9087, 0.3125,  
0.3299

 39.2624, 0.3422,  
0.2307

 98.1024, 0.3092,  
0.3325

 33.5666, 0.3502,  
0.2142

 98.3339, 0.3072,  
0.3290

■ 29.3011, 0.3584,  
0.2011

■ 26.3329, 0.3667,  
0.1923

■ 24.5038, 0.3748,  
0.1881

■ 23.5644, 0.3826,  
0.1883

■ 23.5272, 0.3830,  
0.1883

# Harmonies

## Analogous

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



66.0371, 0.2897, 0.2773



66.0371, 0.3222, 0.2901



66.0371, 0.3536, 0.3121

# Triad

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



66.0371, 0.3222, 0.2901



66.0371, 0.3616, 0.3829



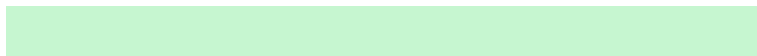
66.0371, 0.2550, 0.3141

# Complementary

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



66.0371, 0.3222, 0.2901



82.4744, 0.3045, 0.3713

# 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.



66.0371, 0.2724, 0.3454



66.0371, 0.3222, 0.2901



66.0371, 0.3336, 0.3869

# Square

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



66.0371, 0.3222, 0.2901



66.0371, 0.3768, 0.3646



66.0371, 0.3009, 0.3731



66.0371, 0.2523, 0.2893



# Rectangle

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



66.0371, 0.3222, 0.2901



66.0371, 0.3689, 0.3297



66.0371, 0.3009, 0.3731



66.0371, 0.2593, 0.3242

# Sweetspot

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



66.0400, 0.3222, 0.2901



90.4204, 0.3153, 0.3173



60.3951, 0.2869, 0.2762



19.1404, 0.3156, 0.3160



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.



66.0400, 0.3222, 0.2901



67.3571, 0.3242, 0.2829



64.7563, 0.3401, 0.3140



16.7058, 0.3170, 0.3104



12.5783, 0.3817, 0.1877



1.1200, 0.3726, 0.1826



# Inverse Universe

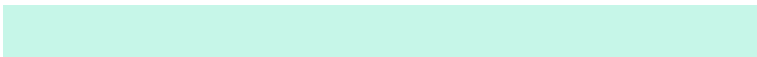
The Inverse Universe completely reimagines the original color for something new.



66.0400, 0.3222, 0.2901



67.3571, 0.3242, 0.2829



83.7249, 0.2912, 0.3446



16.7058, 0.3170, 0.3104



12.5783, 0.3817, 0.1877



1.1200, 0.3726, 0.1826



# Previews

## White Background



This preview shows how the Yxy color 66.0371, 0.3222, 0.2901 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

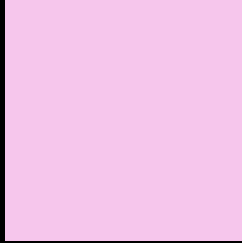
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.0371, 0.3222, 0.2901 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

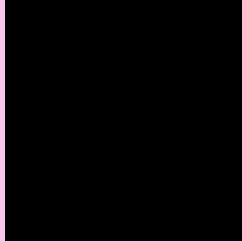
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.0371, 0.3222, 0.2901**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.0371, 0.3222, 0.2901.



This preview shows how white text looks on a background with the Yxy color 66.0371, 0.3222, 0.2901.

# 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

66.0371, 0.3222, 0.2901

### Protanopia

66.3856, 0.2883, 0.2928

### Deuteranopia

66.2541, 0.3060, 0.2999



## Tritanopia

65.8377, 0.3338, 0.3122

# Trichromacy



## Original Color

66.0371, 0.3222, 0.2901

## Protanomaly

65.8656, 0.2999, 0.2914

## Deuteranomaly

66.1728, 0.3113, 0.2962

## Tritanomaly

65.9235, 0.3294, 0.3040

# Monochromacy



## Original Color

66.0371, 0.3222, 0.2901

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

67.9690, 0.3164, 0.3140

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.0371, 0.3222, 0.2901 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(246, 198, 236)` looks like.

```
.text, #text, p{  
    color:rgb(246, 198, 236)  
}
```

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(246, 198, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 198, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 66.0371, 0.3222, 0.2901 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(246, 198, 236) }
```

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

```
.border{ border-color:rgb(246, 198, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 198, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 198, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 198, 236);  
box-shadow:4px 4px 4px 4px rgb(246, 198,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.0371, 0.3222, 0.2901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 198, 236) }
```

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

```
.background{ background-color: rgb(246,  
198, 236) }
```

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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