

# Converting Colors

Yxy(66.9326, 0.3410, 0.3034)

Have a look what the booklet for  
Yxy(66.9326, 0.3410, 0.3034)  
contains.

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# Color

**Yxy(66.5202, 0.3391, 0.3027)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC5DF
RGB	255, 197, 223
RGB Percent	100%, 77%, 87%
CMY	0.0001, 0.2274, 0.1255
CMYK	0.00, 0.23, 0.13, 0.00
HSL	333°, 100%, 89%
HSV	333°, 23%, 100%
XYZ	74.5193, 66.5202, 78.7167
YIQ	217.3060, 26.2220, 20.3820

# Conversions

## Conversions Part 2

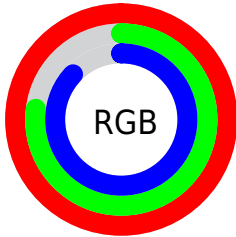
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 197, 223
Decimal	16762335
CIE Lab	85.26, 24.58, -4.91
CIE LCh	85, 25.065, 348.698
Yxy	66.5202, 0.3391, 0.3027
Android (android.graphics.Color)	4294952415 (0xFFFFC5DF)
YUV	217.3060, 2.8071, 33.0576
Hunter-Lab	81.5599, 20.3613, -0.1312

# Details

The Yxy color **66.5202, 0.3391, 0.3027** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **89.0387, 0.2924, 0.3570**, and the grayscale version is **69.5766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3636, 0.3128, 0.3281**, and **34.4778, 0.3457, 0.2966** is the 20% darker color. If you saturate the color by 10%, you get **55.1775, 0.3548, 0.2905**, and if you desaturate by 10%, it is **79.8904, 0.3261, 0.3146**.

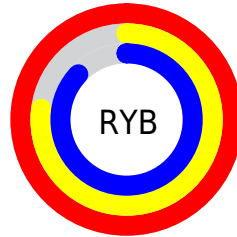
# Distribution



Red (100%)

Green (77%)

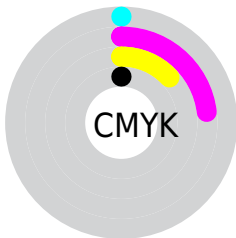
Blue (87%)



Red (100%)

Yellow (77%)

Blue (87%)

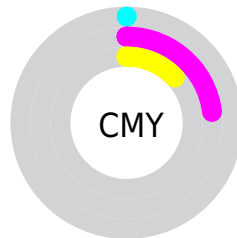


Cyan (0%)

Magenta (23%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (23%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5202, 0.3391, 0.3027 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 66.5202, 0.3391, 0.3027 by changing the saturation by 10% instead.



 66.5202, 0.3391,  
0.3027

 66.5202, 0.3391,  
0.3027


448.2350, 0.3268,  
0.3148

 48.6948, 0.3419,  
0.2999

114.2326, 0.3348,  
0.3069

 34.3774, 0.3454,  
0.2965


144.8885, 0.3332,  
0.3085

 23.1837, 0.3499,  
0.2922

180.5899, 0.3317,  
0.3099

 14.7292, 0.3558,  
0.2866

221.7214, 0.3305,  
0.3112

 8.6296, 0.3638,  
0.2789

268.6672, 0.3294,  
0.3123

 4.5004, 0.3756,  
0.2680


321.8118, 0.3284,


 1.9572, 0.3942,


0.3132

0.2509


381.5396, 0.3276,  
0.3141

 0.5824, 0.4335,  
0.2115


 0.0000, 1.0000,  
0.0000


 66.5202, 0.3391,  
0.3027


 66.5202, 0.3391,  
0.3027

 55.1775, 0.3548,  
0.2905


 79.8904, 0.3261,  
0.3146

 45.7533, 0.3735,  
0.2786

 95.3721, 0.3153,  
0.3260

 38.1420, 0.3954,  
0.2677

99.9967, 0.3127,  
0.3290

 32.2241, 0.4203,  
0.2591

■ 27.8653, 0.4475,  
0.2539

■ 24.9111, 0.4758,  
0.2535

■ 23.1741, 0.5035,  
0.2586

■ 22.4775, 0.5225,  
0.2652

# Harmonies

## Analogous

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



66.5202, 0.3076, 0.2851



66.5202, 0.3391, 0.3027



66.5202, 0.3642, 0.3269

# Triad

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



66.5202, 0.3391, 0.3027



66.5202, 0.3456, 0.3844



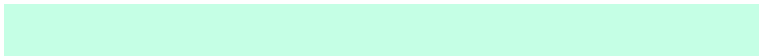
66.5202, 0.2544, 0.3006

# Complementary

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



66.5202, 0.3391, 0.3027



89.0387, 0.2924, 0.3570

# 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.



66.5202, 0.2635, 0.3279



66.5202, 0.3391, 0.3027



66.5202, 0.3154, 0.3787

# Square

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



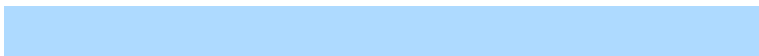
66.5202, 0.3391, 0.3027



66.5202, 0.3676, 0.3740



66.5202, 0.2855, 0.3574



66.5202, 0.2599, 0.2829



# Rectangle

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



66.5202, 0.3391, 0.3027



66.5202, 0.3731, 0.3442



66.5202, 0.2855, 0.3574



66.5202, 0.2559, 0.3089

# Sweetspot

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



66.5232, 0.3391, 0.3027



88.5169, 0.3196, 0.3213



63.7993, 0.2962, 0.2689



18.7451, 0.3203, 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.



66.5232, 0.3391, 0.3027



61.4509, 0.3455, 0.2975



66.5570, 0.3590, 0.3321



18.1224, 0.3224, 0.3184



11.7759, 0.5184, 0.2630



1.1682, 0.4903, 0.2475



# Inverse Universe

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



66.5232, 0.3391, 0.3027



61.4509, 0.3455, 0.2975



88.7648, 0.2787, 0.3259



18.1224, 0.3224, 0.3184



11.7759, 0.5184, 0.2630



1.1682, 0.4903, 0.2475



# Previews

## White Background



This preview shows how the Yxy color 66.5202, 0.3391, 0.3027 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

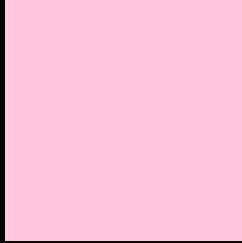
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.5202, 0.3391, 0.3027 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 66.5202, 0.3391, 0.3027**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.5202, 0.3391, 0.3027.



This preview shows how white text looks on a background with the Yxy color 66.5202, 0.3391, 0.3027.

# 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

66.5202, 0.3391, 0.3027

### Protanopia

66.9102, 0.2994, 0.3069

### Deuteranopia

66.6691, 0.3202, 0.3139



## Tritanopia

66.7727, 0.3450, 0.3137

# Trichromacy



## Original Color

66.5202, 0.3391, 0.3027

## Protanomaly

66.7768, 0.3131, 0.3054

## Deuteranomaly

66.3365, 0.3267, 0.3090

## Tritanomaly

66.4688, 0.3428, 0.3097

# Monochromacy



## Original Color

66.5202, 0.3391, 0.3027

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

68.1966, 0.3221, 0.3194

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.5202, 0.3391, 0.3027 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, 197, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 223)  
}
```

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, 197, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 66.5202, 0.3391, 0.3027 is called "border". The border property can be set on classes, ids or directly on the HTML element.

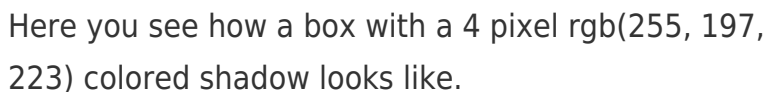
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 197, 223) }
```

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

```
.border{ border-color:rgb(255, 197, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 197, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 197, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 197, 223); box-shadow:4px 4px 4px 4px rgb(255, 197, 223) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.5202, 0.3391, 0.3027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 223) }
```

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

```
.background{ background-color: rgb(255,  
197, 223) }
```

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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