

# Converting Colors

$Y_{xy}(67.4955, 0.3259, 0.2857)$

Have a look what the booklet for  
Yxy(67.4955, 0.3259, 0.2857)  
contains.

<b>Yxy(67.4838, 0.3262, 0.2862)</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(67.4838, 0.3262, 0.2862)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC5F0
RGB	255, 197, 240
RGB Percent	100%, 77%, 94%
CMY	0.0002, 0.2273, 0.0589
CMYK	0.00, 0.23, 0.06, 0.00
HSL	316°, 100%, 89%
HSV	316°, 23%, 100%
XYZ	76.9155, 67.4838, 91.3932
YIQ	219.2440, 20.7650, 25.6690

# Conversions

## Conversions Part 2

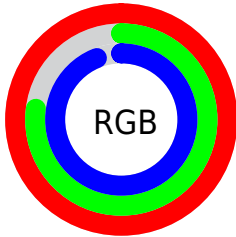
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 197, 240
Decimal	16762352
CIE Lab	85.75, 27.37, -13.23
CIE LCh	86, 30.402, 334.197
Yxy	67.4838, 0.3262, 0.2862
Android (android.graphics.Color)	4294952432 (0xFFFFC5F0)
YUV	219.2440, 10.2327, 31.3580
Hunter-Lab	82.1485, 23.3693, -8.4583

# Details

The Yxy color **67.4838, 0.3262, 0.2862** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.1107, 0.3015, 0.3760**, and the grayscale version is **70.9325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3636, 0.3128, 0.3281**, and **35.1114, 0.3294, 0.2769** is the 20% darker color. If you saturate the color by 10%, you get **56.4847, 0.3337, 0.2668**, and if you desaturate by 10%, it is **80.4610, 0.3197, 0.3055**.

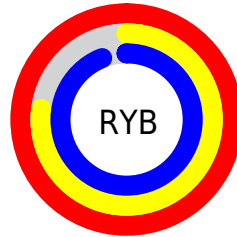
# Distribution



Red (100%)

Green (77%)

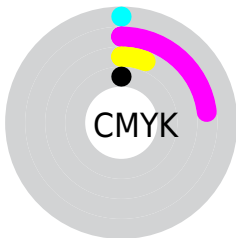
Blue (94%)



Red (100%)

Yellow (77%)

Blue (94%)

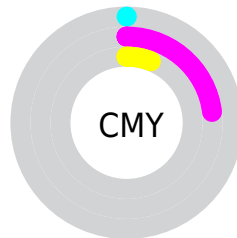


Cyan (0%)

Magenta (23%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (23%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.4838, 0.3262, 0.2862 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 67.4838, 0.3262, 0.2862 by changing the saturation by 10% instead.



 67.4838, 0.3262,  
0.2862

 67.4838, 0.3262,  
0.2862


451.6649, 0.3202,  
0.3055

 49.4779, 0.3275,  
0.2819


115.6134, 0.3242,  
0.2928

 34.9987, 0.3291,  
0.2766


146.5058, 0.3234,  
0.2954

 23.6619, 0.3311,  
0.2701


182.4626, 0.3227,  
0.2977

 15.0830, 0.3335,  
0.2616

223.8681, 0.3221,  
0.2996

 8.8777, 0.3368,  
0.2504

271.1067, 0.3215,  
0.3014

 4.6615, 0.3412,  
0.2347


324.5627, 0.3210,


 2.0500, 0.3474,


0.3029


0.2115

384.6207, 0.3206,  
0.3043


 0.6363, 0.3589,  
0.1691

 0.0000, 0.3485,  
0.0000


 67.4838, 0.3262,  
0.2862


 67.4838, 0.3262,  
0.2862

 56.4847, 0.3337,  
0.2668


 80.4610, 0.3197,  
0.3055

 47.3560, 0.3422,  
0.2480

 95.4989, 0.3141,  
0.3241

 39.9938, 0.3517,  
0.2308

99.9889, 0.3127,  
0.3290

 34.2799, 0.3618,  
0.2161

■ 30.0819, 0.3725,  
0.2050

■ 27.2470, 0.3832,  
0.1985

■ 25.5896, 0.3937,  
0.1969

■ 24.9261, 0.4011,  
0.1983

# Harmonies

## Analogous

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



67.4838, 0.2886, 0.2708



67.4838, 0.3262, 0.2862



67.4838, 0.3619, 0.3116

# Triad

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



67.4838, 0.3262, 0.2862



67.4838, 0.3668, 0.3918



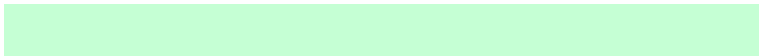
67.4838, 0.2461, 0.3091

# Complementary

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



67.4838, 0.3262, 0.2862



88.1107, 0.3015, 0.3760

# 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.



67.4838, 0.2646, 0.3451



67.4838, 0.3262, 0.2862



67.4838, 0.3337, 0.3955

# Square

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



67.4838, 0.3262, 0.2862



67.4838, 0.3858, 0.3712



67.4838, 0.2963, 0.3782



67.4838, 0.2443, 0.2818



# Rectangle

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



67.4838, 0.3262, 0.2862



67.4838, 0.3789, 0.3316



67.4838, 0.2963, 0.3782



67.4838, 0.2505, 0.3206

# Sweetspot

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



67.4868, 0.3262, 0.2862



88.8418, 0.3164, 0.3162



61.0885, 0.2839, 0.2667



18.8203, 0.3167, 0.3151



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.



67.4868, 0.3262, 0.2862



62.5678, 0.3293, 0.2779



65.9255, 0.3481, 0.3143



18.2155, 0.3178, 0.3115



13.0569, 0.3995, 0.1974



1.2891, 0.3885, 0.1914



# Inverse Universe

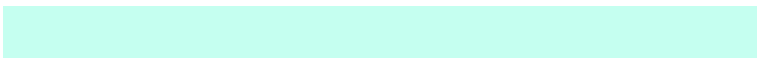
The Inverse Universe completely reimagines the original color for something new.



67.4868, 0.3262, 0.2862



62.5678, 0.3293, 0.2779



89.6763, 0.2863, 0.3443



18.2155, 0.3178, 0.3115



13.0569, 0.3995, 0.1974



1.2891, 0.3885, 0.1914



# Previews

## White Background



This preview shows how the Yxy color 67.4838, 0.3262, 0.2862 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

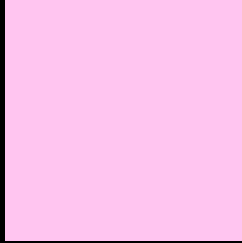
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.4838, 0.3262, 0.2862 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 67.4838, 0.3262, 0.2862**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.4838, 0.3262, 0.2862.



This preview shows how white text looks on a background with the Yxy color 67.4838, 0.3262, 0.2862.

# 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

67.4838, 0.3262, 0.2862

### Protanopia

67.9005, 0.2854, 0.2890

### Deuteranopia

67.7815, 0.3047, 0.2981



## Tritanopia

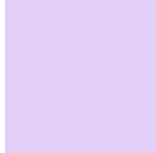
67.4785, 0.3408, 0.3126

# Trichromacy



## Original Color

67.4838, 0.3262, 0.2862



## Protanomaly

67.2870, 0.2994, 0.2878



## Deuteranomaly

67.7275, 0.3121, 0.2936



## Tritanomaly

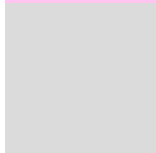
67.6274, 0.3356, 0.3036

# Monochromacy



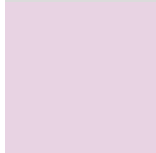
## Original Color

67.4838, 0.3262, 0.2862



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

69.2904, 0.3172, 0.3120

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.4838, 0.3262, 0.2862 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 67.4838, 0.3262, 0.2862 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, 240) }
```

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

```
.border{ border-color:rgb(255, 197, 240) }
```

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, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.4838, 0.3262, 0.2862 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, 240) }
```

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

```
.background{ background-color: rgb(255,  
197, 240) }
```

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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