

# Converting Colors

$Y_{xy}(66.0070, 0.3262, 0.2826)$

Have a look what the booklet for  
Yxy(66.0070, 0.3262, 0.2826)  
contains.

<b>Yxy(66.1348, 0.3265, 0.2831)</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(66.1348, 0.3265, 0.2831)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC2F0
RGB	255, 194, 240
RGB Percent	100%, 76%, 94%
CMY	0.0000, 0.2393, 0.0587
CMYK	0.00, 0.24, 0.06, 0.00
HSL	315°, 100%, 88%
HSV	315°, 24%, 100%
XYZ	76.2734, 66.1348, 91.2011
YIQ	217.4830, 21.5900, 27.2380

# Conversions

## Conversions Part 2

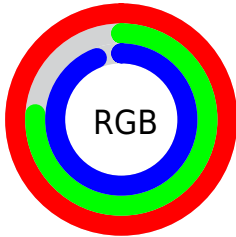
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 194, 240
Decimal	16761584
CIE <sub>Lab</sub>	85.07, 29.01, -14.28
CIE <sub>LCh</sub>	85, 32.336, 333.797
Yxy	66.1348, 0.3265, 0.2831
Android (android.graphics.Color)	4294951664 (0xFFFFC2F0)
YUV	217.4830, 11.1009, 32.9024
Hunter-Lab	81.3233, 25.1001, -9.5652

# Details

The Yxy color **66.1348, 0.3265, 0.2831** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.5890, 0.3014, 0.3798**, and the grayscale version is **69.6428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4744, 0.3129, 0.3252**, and **34.2226, 0.3297, 0.2731** is the 20% darker color. If you saturate the color by 10%, you get **55.3720, 0.3338, 0.2635**, and if you desaturate by 10%, it is **78.8482, 0.3201, 0.3027**.

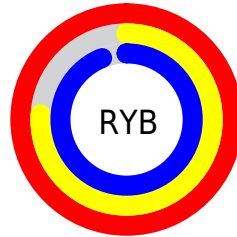
# Distribution



Red (100%)

Green (76%)

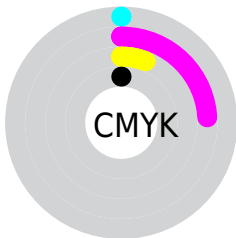
Blue (94%)



Red (100%)

Yellow (76%)

Blue (94%)

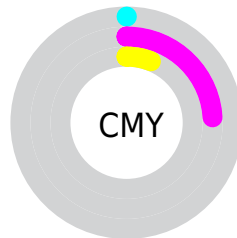


Cyan (0%)

Magenta (24%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.1348, 0.3265, 0.2831 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 66.1348, 0.3265, 0.2831 by changing the saturation by 10% instead.




 66.1348, 0.3265,  
0.2831

 66.1348, 0.3265,  
0.2831


446.8588, 0.3204,  
0.3038

 48.3818, 0.3278,  
0.2785


 113.6798, 0.3244,  
0.2902

 34.1294, 0.3294,  
0.2728


144.2406, 0.3236,  
0.2930

 22.9930, 0.3314,  
0.2658


179.8395, 0.3229,  
0.2954

 14.5883, 0.3339,  
0.2567

220.8608, 0.3223,  
0.2975

 8.5310, 0.3372,  
0.2447

267.6891, 0.3217,  
0.2994

 4.4366, 0.3415,  
0.2279

320.7085, 0.3212,

 1.9206, 0.3476,

0.3010

0.2031

380.3036, 0.3208,  
0.3025

0.5607, 0.3601,  
0.1544

0.0000, 0.3190,  
0.0000

66.1348, 0.3265,  
0.2831

66.1348, 0.3265,  
0.2831

55.3720, 0.3338,  
0.2635

78.8482, 0.3201,  
0.3027

46.4747, 0.3420,  
0.2445

93.6190, 0.3146,  
0.3218

39.3297, 0.3510,  
0.2273

100.0000, 0.3127,  
0.3290

33.8175, 0.3607,  
0.2128

■ 29.8035, 0.3708,  
0.2020

■ 27.1315, 0.3808,  
0.1959

■ 25.6107, 0.3906,  
0.1946

■ 25.0840, 0.3964,  
0.1957

# Harmonies

## Analogous

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



66.1348, 0.2864, 0.2669



66.1348, 0.3265, 0.2831



66.1348, 0.3650, 0.3099

# Triad

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



66.1348, 0.3265, 0.2831



66.1348, 0.3708, 0.3959



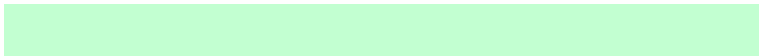
66.1348, 0.2418, 0.3080

# Complementary

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



66.1348, 0.3265, 0.2831



87.5890, 0.3014, 0.3798

# 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.



66.1348, 0.2616, 0.3467



66.1348, 0.3265, 0.2831



66.1348, 0.3355, 0.4006

# Square

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



66.1348, 0.3265, 0.2831



66.1348, 0.3910, 0.3735



66.1348, 0.2955, 0.3823



66.1348, 0.2397, 0.2787



# Rectangle

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



66.1348, 0.3265, 0.2831



66.1348, 0.3833, 0.3312



66.1348, 0.2955, 0.3823



66.1348, 0.2465, 0.3203

# Sweetspot

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



66.1300, 0.3265, 0.2831



88.8563, 0.3162, 0.3160



59.2395, 0.2814, 0.2629



18.8237, 0.3165, 0.3149



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.



66.1300, 0.3265, 0.2831



60.4337, 0.3301, 0.2731



64.5032, 0.3496, 0.3124



18.2197, 0.3176, 0.3112



13.1318, 0.3949, 0.1949



1.2959, 0.3846, 0.1892



# Inverse Universe

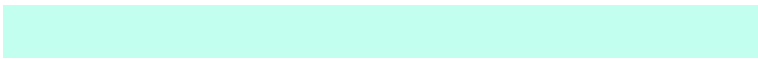
The Inverse Universe completely reimagines the original color for something new.



66.1300, 0.3265, 0.2831



60.4337, 0.3301, 0.2731



89.2035, 0.2856, 0.3464



18.2197, 0.3176, 0.3112



13.1318, 0.3949, 0.1949



1.2959, 0.3846, 0.1892



# Previews

## White Background



This preview shows how the Yxy color 66.1348, 0.3265, 0.2831 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

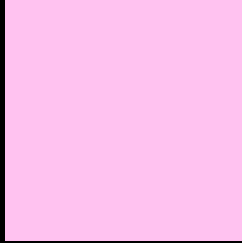
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.1348, 0.3265, 0.2831 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

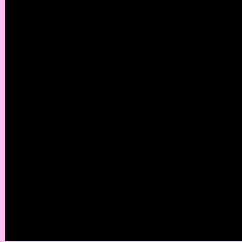
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.1348, 0.3265, 0.2831**

## Background



This preview shows how black text looks on a background with the Yxy color 66.1348, 0.3265, 0.2831.

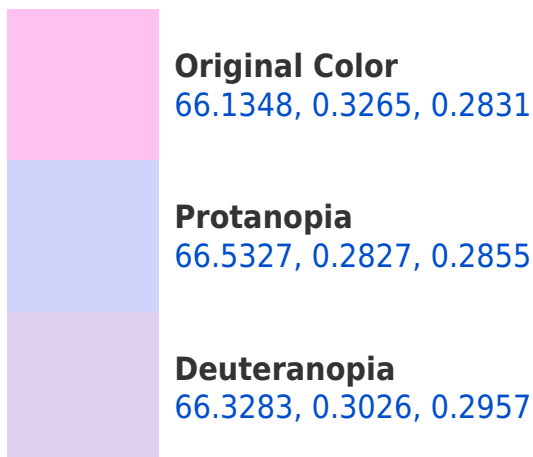


This preview shows how white text looks on a background with the Yxy color 66.1348, 0.3265, 0.2831.

# 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

66.3973, 0.3434, 0.3136

# Trichromacy



## Original Color

66.1348, 0.3265, 0.2831



## Protanomaly

66.0660, 0.2973, 0.2845



## Deuteranomaly

65.9655, 0.3108, 0.2903



## Tritanomaly

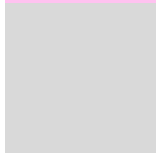
66.1429, 0.3375, 0.3025

# Monochromacy



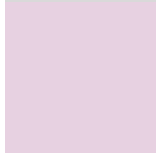
## Original Color

66.1348, 0.3265, 0.2831



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

68.0261, 0.3180, 0.3119

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.1348, 0.3265, 0.2831 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, 194, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 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, 194, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 66.1348, 0.3265, 0.2831 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, 194, 240) }
```

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

```
.border{ border-color:rgb(255, 194, 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, 194, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.1348, 0.3265, 0.2831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 240) }
```

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

```
.background{ background-color: rgb(255,  
194, 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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