

# Converting Colors

$Yxy(66.8311, 0.3103, 0.2707)$

Have a look what the booklet for  
Yxy(66.8311, 0.3103, 0.2707)  
contains.

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# Color

**Yxy(66.6563, 0.3102, 0.2703)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8C4FF
RGB	248, 196, 255
RGB Percent	97%, 77%, 100%
CMY	0.0275, 0.2313, 0.0000
CMYK	0.03, 0.23, 0.00, 0.00
HSL	293°, 100%, 88%
HSV	293°, 23%, 100%
XYZ	76.4957, 66.6563, 103.4492
YIQ	218.2740, 12.0530, 29.3730

# Conversions

## Conversions Part 2

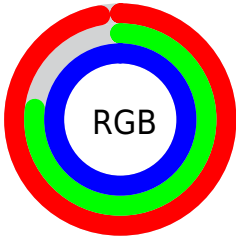
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	248, 196, 255
Decimal	16303359
CIE Lab	85.33, 28.32, -21.91
CIE LCh	85, 35.807, 322.275
Yxy	66.6563, 0.3102, 0.2703
Android (android.graphics.Color)	4294493439 (0xFFFF8C4FF)
YUV	218.2740, 18.1059, 26.0697
Hunter-Lab	81.6433, 24.3698, -17.9753

# Details

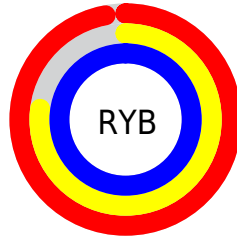
The Yxy color **66.6563, 0.3102, 0.2703** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.2081, 0.3140, 0.3936**, and the grayscale version is **70.1765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7306, 0.3128, 0.3271**, and **34.4996, 0.3092, 0.2579** is the 20% darker color. If you saturate the color by 10%, you get **55.5644, 0.3086, 0.2444**, and if you desaturate by 10%, it is **79.7167, 0.3115, 0.2962**.

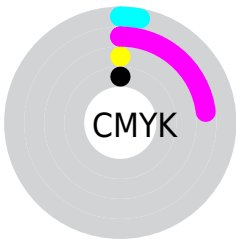
# Distribution



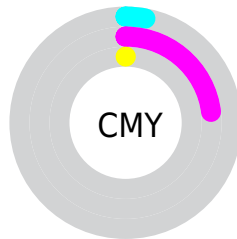
- Red (97%)
- Green (77%)
- Blue (100%)



- Red (97%)
- Yellow (77%)
- Blue (100%)



- Cyan (3%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)




- Cyan (3%)
- Magenta (23%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6563, 0.3102, 0.2703 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 66.6563, 0.3102, 0.2703 by changing the saturation by 10% instead.




 66.6563, 0.3102,  
0.2703

 66.6563, 0.3102,  
0.2703


448.7204, 0.3119,  
0.2965

 48.8054, 0.3097,  
0.2645


114.4278, 0.3109,  
0.2792

 34.4651, 0.3090,  
0.2575

145.1171, 0.3111,  
0.2827

 23.2511, 0.3081,  
0.2488


180.8547, 0.3113,  
0.2858

 14.7791, 0.3067,  
0.2378

222.0250, 0.3115,  
0.2885

 8.6645, 0.3046,  
0.2233

269.0123, 0.3116,  
0.2908

 4.5230, 0.3012,  
0.2035


322.2010, 0.3117,


 1.9702, 0.2949,

0.2929

0.1752

381.9756, 0.3118,  
0.2948


 0.5901, 0.2836,  
0.1265

 0.0000, 0.1711,  
0.0000


 66.6563, 0.3102,  
0.2703


 66.6563, 0.3102,  
0.2703

 55.5644, 0.3086,  
0.2444


 79.7167, 0.3115,  
0.2962

 46.3354, 0.3066,  
0.2194

 94.8306, 0.3125,  
0.3214

 38.8640, 0.3043,  
0.1962

100.0000, 0.3127,  
0.3290

 33.0318, 0.3016,  
0.1761

■ 28.7057, 0.2987,  
0.1597

■ 25.7317, 0.2957,  
0.1478

■ 23.9226, 0.2926,  
0.1404

■ 23.1690, 0.2905,  
0.1374

# Harmonies

## Analogous

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



66.6563, 0.2689, 0.2581



66.6563, 0.3102, 0.2703



66.6563, 0.3552, 0.2956

# Triad

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



66.6563, 0.3102, 0.2703



66.6563, 0.3877, 0.3947



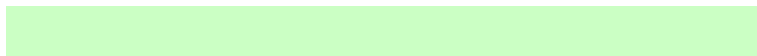
66.6563, 0.2410, 0.3212

# Complementary

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



66.6563, 0.3102, 0.2703



88.2081, 0.3140, 0.3936

# 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.



66.6563, 0.2692, 0.3652



66.6563, 0.3102, 0.2703



66.6563, 0.3538, 0.4092

# Square

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



66.6563, 0.3102, 0.2703



66.6563, 0.4016, 0.3648



66.6563, 0.3102, 0.3991



66.6563, 0.2312, 0.2838



# Rectangle

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



66.6563, 0.3102, 0.2703



66.6563, 0.3802, 0.3174



66.6563, 0.3102, 0.3991



66.6563, 0.2485, 0.3359

# Sweetspot

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



66.6586, 0.3102, 0.2703



88.7344, 0.3121, 0.3118



62.0861, 0.2739, 0.2726



18.7953, 0.3121, 0.3102



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.



66.6586, 0.3102, 0.2703



61.0180, 0.3095, 0.2576



66.6509, 0.3313, 0.2915



18.1841, 0.3119, 0.3054



12.1498, 0.2910, 0.1377



1.2127, 0.2946, 0.1397



# Inverse Universe

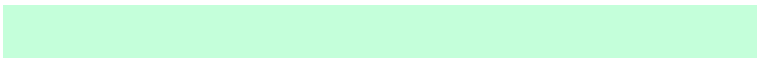
The Inverse Universe completely reimagines the original color for something new.



65.0601, 0.3551, 0.3219



59.1853, 0.3670, 0.3203



88.3010, 0.2979, 0.3697



18.0222, 0.3276, 0.3262



11.1698, 0.6257, 0.3221



1.0983, 0.6019, 0.3089



# Previews

## White Background



This preview shows how the Yxy color 66.6563, 0.3102, 0.2703 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

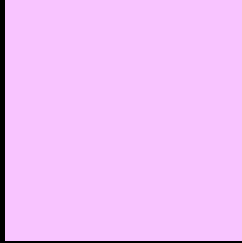
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.6563, 0.3102, 0.2703 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

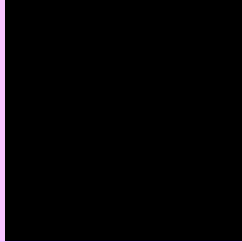
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.6563, 0.3102, 0.2703**

## Background



This preview shows how black text looks on a background with the Yxy color 66.6563, 0.3102, 0.2703.

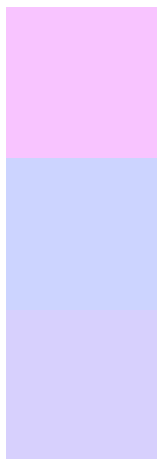


This preview shows how white text looks on a background with the Yxy color 66.6563, 0.3102, 0.2703.

# 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

66.6563, 0.3102, 0.2703

### Protanopia

67.1443, 0.2797, 0.2825

### Deuteranopia

66.6507, 0.2880, 0.2810



## Tritanopia

66.8285, 0.3328, 0.3133

# Trichromacy



## Original Color

66.6563, 0.3102, 0.2703



## Protanomaly

66.5783, 0.2901, 0.2774



## Deuteranomaly

66.6724, 0.2956, 0.2770



## Tritanomaly

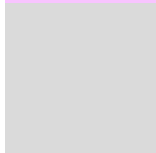
66.4906, 0.3250, 0.2971

# Monochromacy



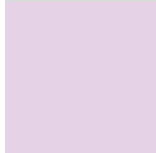
## Original Color

66.6563, 0.3102, 0.2703



## Achromatopsia

70.1102, 0.3127, 0.3290



## Achromatomaly

68.5207, 0.3123, 0.3066

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.6563, 0.3102, 0.2703 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(248, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 196, 255)  
}
```

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(248, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 196, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 66.6563, 0.3102, 0.2703 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(248, 196, 255) }
```

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

```
.border{ border-color:rgb(248, 196, 255) }
```

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

Here you see how a box with a 4 pixel rgb(248, 196, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 196,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.6563, 0.3102, 0.2703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 196, 255) }
```

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

```
.background{ background-color: rgb(248,  
196, 255) }
```

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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