

# Converting Colors

$Y_{xy}(100.0000, 0.3716, 0.2572)$

Have a look what the booklet for  
Yxy(100.0000, 0.3716, 0.2572)  
contains.

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# Color

**Yxy(66.6199, 0.3156, 0.2683)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC1FF
RGB	255, 193, 255
RGB Percent	100%, 76%, 100%
CMY	0.0000, 0.2431, 0.0001
CMYK	0.00, 0.24, 0.00, 0.00
HSL	300°, 100%, 88%
HSV	300°, 24%, 100%
XYZ	78.3647, 66.6199, 103.3192
YIQ	218.6060, 17.0500, 32.4260

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 193, 255
Decimal	16761343
CIE <sub>Lab</sub>	85.31, 32.16, -21.86
CIE <sub>LCh</sub>	85, 38.884, 325.796
Yxy	66.6199, 0.3156, 0.2683
Android (android.graphics.Color)	4294951423 (0xFFFFC1FF)
YUV	218.6060, 17.9422, 31.9175
Hunter-Lab	81.6210, 28.5418, -17.9170

# Details

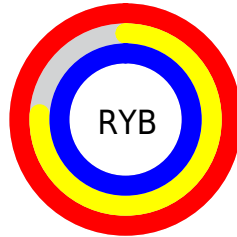
The Yxy color **66.6199, 0.3156, 0.2683** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.7081, 0.3095, 0.3982**, and the grayscale version is **70.4124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8512, 0.3129, 0.3242**, and **34.5482, 0.3162, 0.2557** is the 20% darker color. If you saturate the color by 10%, you get **56.2982, 0.3167, 0.2436**, and if you desaturate by 10%, it is **78.8803, 0.3144, 0.2935**.

# Distribution



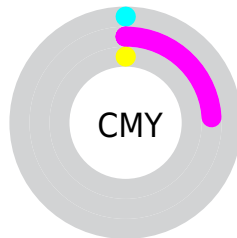
- Red (100%)
- Green (76%)
- Blue (100%)



- Red (100%)
- Yellow (76%)
- Blue (100%)



- Cyan (0%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (24%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6199, 0.3156, 0.2683 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 66.6199, 0.3156, 0.2683 by changing the saturation by 10% instead.




 66.6199, 0.3156,  
0.2683

 66.6199, 0.3156,  
0.2683


448.5906, 0.3148,  
0.2953

 48.7758, 0.3156,  
0.2624

 114.3756, 0.3154,  
0.2775

 34.4417, 0.3156,  
0.2552


145.0560, 0.3154,  
0.2811

 23.2331, 0.3155,  
0.2463


180.7839, 0.3153,  
0.2842

 14.7657, 0.3153,  
0.2350

221.9438, 0.3152,  
0.2870

 8.6551, 0.3146,  
0.2203

268.9200, 0.3151,  
0.2895

 4.5169, 0.3132,  
0.2002


322.0969, 0.3150,


 1.9667, 0.3099,


0.2916

0.1717


381.8590, 0.3149,  
0.2936

 0.5880, 0.3036,  
0.1231

 0.0000, 0.2325,  
0.0000


 66.6199, 0.3156,  
0.2683


 66.6199, 0.3156,  
0.2683

 56.2982, 0.3167,  
0.2436


 78.8803, 0.3144,  
0.2935

 47.8229, 0.3178,  
0.2204

 93.1794, 0.3132,  
0.3185

 41.0829, 0.3188,  
0.1997

100.0000, 0.3127,  
0.3290

 35.9584, 0.3196,  
0.1824

■ 32.3141, 0.3203,  
0.1691

■ 29.9931, 0.3207,  
0.1602

■ 28.8028, 0.3209,  
0.1555

■ 28.4749, 0.3210,  
0.1542

# Harmonies

## Analogous

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



66.6199, 0.2698, 0.2532



66.6199, 0.3156, 0.2683



66.6199, 0.3641, 0.2967

# Triad

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



66.6199, 0.3156, 0.2683



66.6199, 0.3905, 0.4029



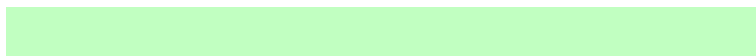
66.6199, 0.2329, 0.3148

# Complementary

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



66.6199, 0.3156, 0.2683



86.7081, 0.3095, 0.3982

# 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.



66.6199, 0.2610, 0.3629



66.6199, 0.3156, 0.2683



66.6199, 0.3516, 0.4165

# Square

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



66.6199, 0.3156, 0.2683



66.6199, 0.4088, 0.3715



66.6199, 0.3041, 0.4025



66.6199, 0.2249, 0.2761



# Rectangle

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



66.6199, 0.3156, 0.2683



66.6199, 0.3900, 0.3206



66.6199, 0.3041, 0.4025



66.6199, 0.2401, 0.3305

# Sweetspot

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



66.6174, 0.3156, 0.2683



89.1349, 0.3135, 0.3118



56.6957, 0.2708, 0.2598



18.8884, 0.3136, 0.3103



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.



66.6174, 0.3156, 0.2683



61.5466, 0.3161, 0.2566



64.7804, 0.3389, 0.2976



18.3003, 0.3138, 0.3056



14.8788, 0.3210, 0.1542



1.4487, 0.3210, 0.1542



# Inverse Universe

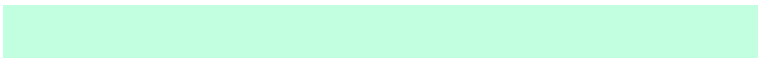
The Inverse Universe completely reimagines the original color for something new.



66.6174, 0.3156, 0.2683



61.5466, 0.3161, 0.2566



88.2388, 0.2927, 0.3628



18.3003, 0.3138, 0.3056



14.8788, 0.3210, 0.1542



1.4487, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 66.6199, 0.3156, 0.2683 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

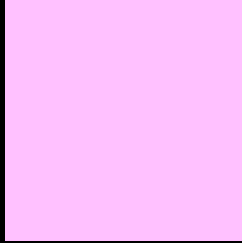
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.6199, 0.3156, 0.2683 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

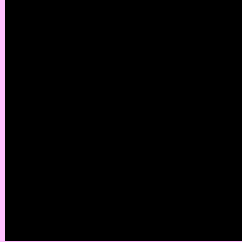
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.6199, 0.3156, 0.2683**

## Background



This preview shows how black text looks on a background with the Yxy color 66.6199, 0.3156, 0.2683.



This preview shows how white text looks on a background with the Yxy color 66.6199, 0.3156, 0.2683.

# 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

66.6199, 0.3156, 0.2683

### Protanopia

67.0035, 0.2791, 0.2824

### Deuteranopia

66.5871, 0.2887, 0.2820



## Tritanopia

66.5904, 0.3401, 0.3125

# Trichromacy



## Original Color

66.6199, 0.3156, 0.2683



## Protanomaly

66.4122, 0.2915, 0.2765



## Deuteranomaly

66.6267, 0.2984, 0.2772



## Tritanomaly

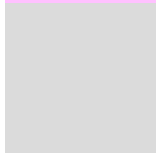
66.3411, 0.3314, 0.2955

# Monochromacy



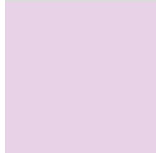
## Original Color

66.6199, 0.3156, 0.2683



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

69.0752, 0.3138, 0.3058

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.6199, 0.3156, 0.2683 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, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 193, 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(255, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 66.6199, 0.3156, 0.2683 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, 193, 255) }
```

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

```
.border{ border-color:rgb(255, 193, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.6199, 0.3156, 0.2683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 255) }
```

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

```
.background{ background-color: rgb(255,  
193, 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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