

# Converting Colors

Yxy(66.8936, 0.3030, 0.2734)

Have a look what the booklet for  
Yxy(66.8936, 0.3030, 0.2734)  
contains.

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# Color

**Yxy(66.7057, 0.3028, 0.2731)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEC8FF
RGB	238, 200, 255
RGB Percent	93%, 78%, 100%
CMY	0.0667, 0.2156, 0.0000
CMYK	0.07, 0.22, 0.00, 0.00
HSL	281°, 100%, 89%
HSV	281°, 22%, 100%
XYZ	73.9600, 66.7057, 103.5880
YIQ	217.6320, 4.9930, 25.1610

# Conversions

## Conversions Part 2

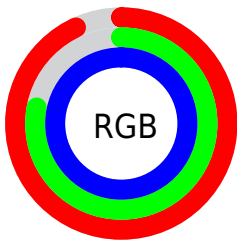
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 200, 255
Decimal	15649023
CIE Lab	85.36, 23.02, -21.95
CIE LCh	85, 31.808, 316.354
Yxy	66.7057, 0.3028, 0.2731
Android (android.graphics.Color)	4293839103 (0xFFEEC8FF)
YUV	217.6320, 18.4224, 17.8627
Hunter-Lab	81.6736, 18.7131, -18.0271

# Details

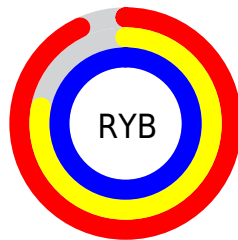
The Yxy color  $66.7057, 0.3028, 0.2731$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $90.4467, 0.3205, 0.3875$ , and the grayscale version is  $69.7134, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $34.5801, 0.3004, 0.2613$  is the 20% darker color. If you saturate the color by 10%, you get  $54.5285, 0.2969, 0.2455$ , and if you desaturate by 10%, it is  $80.9177, 0.3079, 0.2999$ .

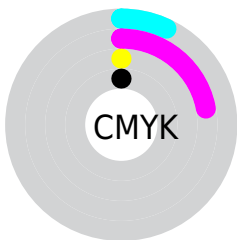
# Distribution



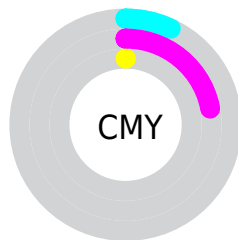
- Red (93%)
- Green (78%)
- Blue (100%)



- Red (93%)
- Yellow (78%)
- Blue (100%)



- Cyan (7%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (22%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.7057, 0.3028, 0.2731 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 66.7057, 0.3028, 0.2731 by changing the saturation by 10% instead.




 66.7057, 0.3028,  
0.2731

 66.7057, 0.3028,  
0.2731

448.8965, 0.3078,  
0.2982

 48.8455, 0.3016,  
0.2676


114.4986, 0.3046,  
0.2817

 34.4969, 0.3000,  
0.2608


145.2001, 0.3053,  
0.2850

 23.2756, 0.2979,  
0.2524


180.9508, 0.3059,  
0.2880

 14.7972, 0.2950,  
0.2417

222.1351, 0.3064,  
0.2905

 8.6771, 0.2910,  
0.2275

269.1375, 0.3068,  
0.2928

 4.5312, 0.2848,  
0.2081


322.3422, 0.3072,


 1.9749, 0.2745,


0.2948

0.1802


382.1338, 0.3075,  
0.2966

 0.5928, 0.2566,  
0.1313

 0.0000, 0.0698,  
0.0000


 66.7057, 0.3028,  
0.2731


 66.7057, 0.3028,  
0.2731


 54.5285, 0.2969,  
0.2455

 80.9177, 0.3079,  
0.2999

 44.2800, 0.2901,  
0.2178

 97.2483, 0.3121,  
0.3252

 35.8561, 0.2826,  
0.1911

 100.0000, 0.3127,  
0.3290

 29.1394, 0.2745,  
0.1667

■ 23.9988, 0.2660,  
0.1457

■ 20.2833, 0.2575,  
0.1291

■ 17.8115, 0.2492,  
0.1174

■ 16.4605, 0.2425,  
0.1110

# Harmonies

## Analogous

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



66.7057, 0.2676, 0.2649



66.7057, 0.3028, 0.2731



66.7057, 0.3430, 0.2939

# Triad

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



66.7057, 0.3028, 0.2731



66.7057, 0.3836, 0.3835



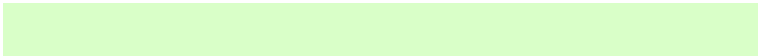
66.7057, 0.2524, 0.3301

# Complementary

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



66.7057, 0.3028, 0.2731



90.4467, 0.3205, 0.3875

# 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.



66.7057, 0.2807, 0.3680



66.7057, 0.3028, 0.2731



66.7057, 0.3565, 0.3991

# Square

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



66.7057, 0.3028, 0.2731



66.7057, 0.3913, 0.3554



66.7057, 0.3186, 0.3943



66.7057, 0.2400, 0.2948



# Rectangle

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



66.7057, 0.3028, 0.2731



66.7057, 0.3667, 0.3128



66.7057, 0.3186, 0.3943



66.7057, 0.2603, 0.3431

# Sweetspot

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



66.7082, 0.3028, 0.2731



89.7367, 0.3103, 0.3142



69.3459, 0.2776, 0.2882



18.9784, 0.3101, 0.3125



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.



66.7082, 0.3028, 0.2731



61.0606, 0.3003, 0.2609



69.1616, 0.3224, 0.2845



18.0019, 0.3088, 0.3052



8.6835, 0.2438, 0.1117



0.9033, 0.2528, 0.1166



# Inverse Universe

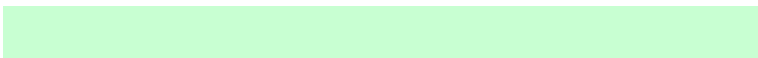
The Inverse Universe completely reimagines the original color for something new.



67.5852, 0.3433, 0.3117



62.1405, 0.3514, 0.3080



88.4587, 0.3043, 0.3780



18.0796, 0.3245, 0.3217



11.4265, 0.5735, 0.2933



1.1312, 0.5415, 0.2757



# Previews

## White Background



This preview shows how the Yxy color 66.7057, 0.3028, 0.2731 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

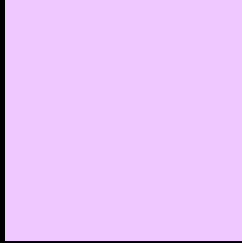
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.7057, 0.3028, 0.2731 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

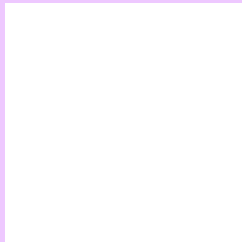
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.7057, 0.3028, 0.2731**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.7057, 0.3028, 0.2731.

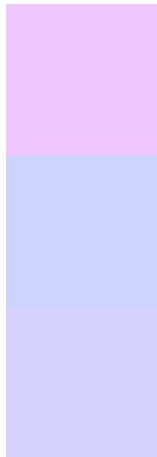


This preview shows how white text looks on a background with the Yxy color 66.7057, 0.3028, 0.2731.

# 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

66.7057, 0.3028, 0.2731

### Protanopia

67.1443, 0.2797, 0.2825

### Deuteranopia

67.1399, 0.2881, 0.2821



## Tritanopia

66.7402, 0.3218, 0.3119

# Trichromacy



## Original Color

66.7057, 0.3028, 0.2731

## Protanomaly

66.9307, 0.2875, 0.2792

## Deuteranomaly

66.9863, 0.2929, 0.2787

## Tritanomaly

66.7884, 0.3149, 0.2975

# Monochromacy



## Original Color

66.7057, 0.3028, 0.2731

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

68.3656, 0.3093, 0.3075

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.7057, 0.3028, 0.2731 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(238, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 200, 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(238, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 200, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 66.7057, 0.3028, 0.2731 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(238, 200, 255) }
```

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

```
.border{ border-color:rgb(238, 200, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 200,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.7057, 0.3028, 0.2731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 200, 255) }
```

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

```
.background{ background-color: rgb(238,  
200, 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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