

# Converting Colors

Yxy(66.7644, 0.3040, 0.2741)

Have a look what the booklet for  
Yxy(66.7644, 0.3040, 0.2741)  
contains.

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# Color

**Yxy(66.8150, 0.3042, 0.2742)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFC8FE
RGB	239, 200, 254
RGB Percent	94%, 78%, 100%
CMY	0.0629, 0.2156, 0.0040
CMYK	0.06, 0.21, 0.00, 0.00
HSL	283°, 96%, 89%
HSV	283°, 21%, 100%
XYZ	74.1252, 66.8150, 102.7323
YIQ	217.8170, 5.9100, 25.0620

# Conversions

## Conversions Part 2

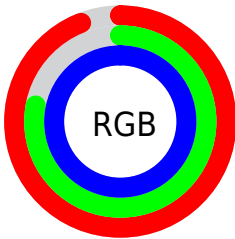
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 200, 254
Decimal	15714558
CIE Lab	85.41, 23.12, -21.32
CIE LCh	85, 31.447, 317.326
Yxy	66.8150, 0.3042, 0.2742
Android (android.graphics.Color)	4293904638 (0xFFEFC8FE)
YUV	217.8170, 17.8382, 18.5775
Hunter-Lab	81.7404, 18.8244, -17.2980

# Details

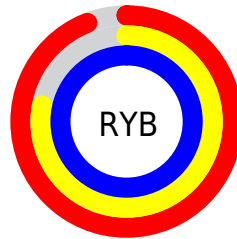
The Yxy color **66.8150, 0.3042, 0.2742** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.4918, 0.3193, 0.3867**, and the grayscale version is **69.8490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.6563, 0.3023, 0.2626** is the 20% darker color. If you saturate the color by 10%, you get **54.8065, 0.2990, 0.2469**, and if you desaturate by 10%, it is **80.8313, 0.3086, 0.3008**.

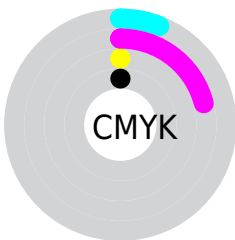
# Distribution



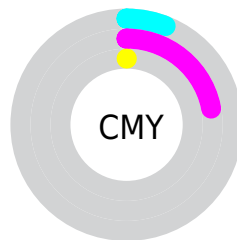
- Red (94%)
- Green (78%)
- Blue (100%)



- Red (94%)
- Yellow (78%)
- Blue (100%)



- Cyan (6%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)




- Cyan (6%)
- Magenta (22%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8150, 0.3042, 0.2742 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 66.8150, 0.3042, 0.2742 by changing the saturation by 10% instead.



 66.8150, 0.3042,  
0.2742

 66.8150, 0.3042,  
0.2742


449.2860, 0.3086,  
0.2988

 48.9343, 0.3031,  
0.2688

114.6553, 0.3058,  
0.2826

 34.5674, 0.3017,  
0.2621


145.3837, 0.3064,  
0.2859

 23.3298, 0.2999,  
0.2539


181.1634, 0.3069,  
0.2888

 14.8372, 0.2973,  
0.2433

222.3788, 0.3073,  
0.2913

 8.7052, 0.2937,  
0.2294

269.4144, 0.3077,  
0.2935

 4.5494, 0.2881,  
0.2104

322.6546, 0.3080,

 1.9854, 0.2787,

0.2955

0.1827

382.4836, 0.3083,  
0.2972

0.5990, 0.2623,  
0.1344

0.0000, 0.0800,  
0.0000

66.8150, 0.3042,  
0.2742

66.8150, 0.3042,  
0.2742

54.8065, 0.2990,  
0.2469

80.8313, 0.3086,  
0.3008

44.7003, 0.2931,  
0.2196

96.9373, 0.3123,  
0.3260

36.3942, 0.2864,  
0.1933

99.9341, 0.3133,  
0.3300

29.7725, 0.2792,  
0.1694

■ 24.7062, 0.2716,  
0.1489

■ 21.0466, 0.2640,  
0.1328

■ 18.6159, 0.2565,  
0.1215

■ 17.2550, 0.2501,  
0.1152

# Harmonies

## Analogous

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



66.8150, 0.2691, 0.2657



66.8150, 0.3042, 0.2742



66.8150, 0.3439, 0.2952

# Triad

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



66.8150, 0.3042, 0.2742



66.8150, 0.3822, 0.3837



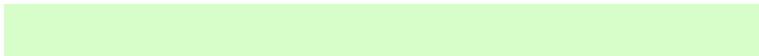
66.8150, 0.2525, 0.3288

# Complementary

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



66.8150, 0.3042, 0.2742



89.4918, 0.3193, 0.3867

# 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.



66.8150, 0.2800, 0.3664



66.8150, 0.3042, 0.2742



66.8150, 0.3549, 0.3985

# Square

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



66.8150, 0.3042, 0.2742



66.8150, 0.3905, 0.3561



66.8150, 0.3173, 0.3930



66.8150, 0.2407, 0.2942



# Rectangle

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



66.8150, 0.3042, 0.2742



66.8150, 0.3670, 0.3140



66.8150, 0.3173, 0.3930



66.8150, 0.2601, 0.3417

# Sweetspot

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



66.8179, 0.3042, 0.2742



89.8248, 0.3106, 0.3142



68.1966, 0.2780, 0.2869



18.9992, 0.3104, 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.



66.8179, 0.3042, 0.2742



62.6390, 0.3023, 0.2640



68.8145, 0.3235, 0.2869



18.0313, 0.3093, 0.3053



9.1768, 0.2513, 0.1158



0.9483, 0.2595, 0.1203



# Inverse Universe

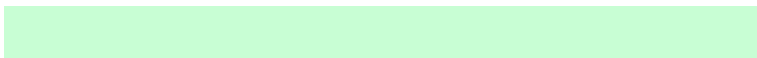
The Inverse Universe completely reimagines the original color for something new.



67.2951, 0.3440, 0.3137



63.2340, 0.3512, 0.3108



87.8888, 0.3035, 0.3751



18.0702, 0.3250, 0.3224



11.3681, 0.5843, 0.2993



1.1245, 0.5524, 0.2817



# Previews

## White Background



This preview shows how the Yxy color 66.8150, 0.3042, 0.2742 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

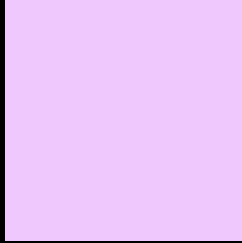
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.8150, 0.3042, 0.2742 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

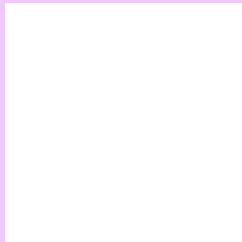
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.8150, 0.3042, 0.2742**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.8150, 0.3042, 0.2742.

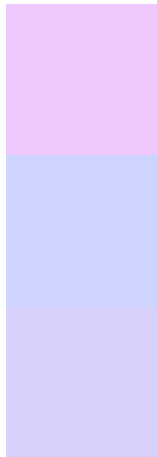


This preview shows how white text looks on a background with the Yxy color 66.8150, 0.3042, 0.2742.

# 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

66.8150, 0.3042, 0.2742

### Protanopia

67.1443, 0.2797, 0.2825

### Deuteranopia

67.2281, 0.2894, 0.2832



## Tritanopia

66.9090, 0.3226, 0.3120

# Trichromacy



## Original Color

66.8150, 0.3042, 0.2742

## Protanomaly

67.0835, 0.2882, 0.2793

## Deuteranomaly

67.0818, 0.2942, 0.2798

## Tritanomaly

66.9591, 0.3157, 0.2976

# Monochromacy



## Original Color

66.8150, 0.3042, 0.2742

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

68.5268, 0.3101, 0.3076

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.8150, 0.3042, 0.2742 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(239, 200, 254)` looks like.

```
.text, #text, p{  
    color:rgb(239, 200, 254)  
}
```

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(239, 200, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 200, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 66.8150, 0.3042, 0.2742 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(239, 200, 254) }
```

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

```
.border{ border-color:rgb(239, 200, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 200, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 200, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 200, 254);  
box-shadow:4px 4px 4px 4px rgb(239, 200,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.8150, 0.3042, 0.2742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 200, 254) }
```

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

```
.background{ background-color: rgb(239,  
200, 254) }
```

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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