

# Converting Colors

$Yxy(69.4317, 0.3013, 0.2796)$

Have a look what the booklet for  
Yxy(69.4317, 0.3013, 0.2796)  
contains.

<b>Yxy(69.6785, 0.3013, 0.2801)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(69.6785, 0.3013, 0.2801)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECCFFF
RGB	236, 207, 255
RGB Percent	93%, 81%, 100%
CMY	0.0746, 0.1882, 0.0000
CMYK	0.07, 0.19, 0.00, 0.00
HSL	276°, 100%, 91%
HSV	276°, 19%, 100%
XYZ	74.9523, 69.6785, 104.1322
YIQ	221.1430, 1.8760, 21.0760

# Conversions

## Conversions Part 2

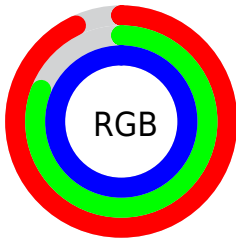
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 207, 255
Decimal	15519743
CIE Lab	86.84, 18.67, -19.74
CIE LCh	87, 27.169, 313.403
Yxy	69.6785, 0.3013, 0.2801
Android (android.graphics.Color)	4293709823 (0xFFECCFFF)
YUV	221.1430, 16.6915, 13.0296
Hunter-Lab	83.4736, 14.1990, -15.5319

# Details

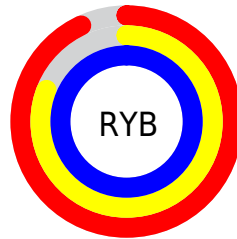
The Yxy color **69.6785, 0.3013, 0.2801** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **92.1999, 0.3222, 0.3790**, and the grayscale version is **72.2899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.5630, 0.2986, 0.2702** is the 20% darker color. If you saturate the color by 10%, you get **56.6229, 0.2937, 0.2520**, and if you desaturate by 10%, it is **84.8292, 0.3078, 0.3069**.

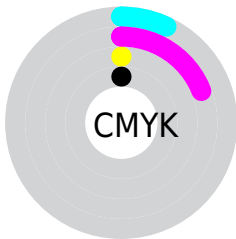
# Distribution



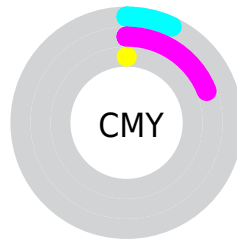
- Red (93%)
- Green (81%)
- Blue (100%)



- Red (93%)
- Yellow (81%)
- Blue (100%)



- Cyan (7%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (19%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6785, 0.3013, 0.2801 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 69.6785, 0.3013, 0.2801 by changing the saturation by 10% instead.




 69.6785, 0.3013,  
0.2801

 69.6785, 0.3013,  
0.2801


459.4204, 0.3069,  
0.3021

 51.2645, 0.3000,  
0.2752


118.7502, 0.3033,  
0.2876

 36.4191, 0.2983,  
0.2693


150.1766, 0.3041,  
0.2905

 24.7581, 0.2961,  
0.2620


186.7093, 0.3047,  
0.2931

 15.8969, 0.2932,  
0.2525

228.7326, 0.3053,  
0.2953

 9.4512, 0.2891,  
0.2401

276.6310, 0.3057,  
0.2973

 5.0367, 0.2829,  
0.2230

330.7888, 0.3062,

 2.2688, 0.2730,

0.2991

0.1981

391.5905, 0.3066,  
0.3007

0.7571, 0.2550,  
0.1580

0.0000, 0.1097,  
0.0000

69.6785, 0.3013,  
0.2801

69.6785, 0.3013,  
0.2801

56.6229, 0.2937,  
0.2520

84.8292, 0.3078,  
0.3069

45.5625, 0.2851,  
0.2233

100.0000, 0.3127,  
0.3290

36.3930, 0.2755,  
0.1949

28.9994, 0.2651,  
0.1681

■ 23.2539, 0.2543,  
0.1443

■ 19.0106, 0.2435,  
0.1247

■ 16.0971, 0.2331,  
0.1102

■ 14.2642, 0.2233,  
0.1008

■ 14.0813, 0.2222,  
0.0998

# Harmonies

## Analogous

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



69.6785, 0.2721, 0.2745



69.6785, 0.3013, 0.2801



69.6785, 0.3351, 0.2971

# Triad

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



69.6785, 0.3013, 0.2801



69.6785, 0.3740, 0.3735



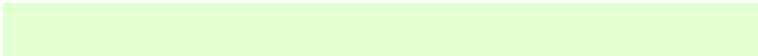
69.6785, 0.2635, 0.3334

# Complementary

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



69.6785, 0.3013, 0.2801



92.1999, 0.3222, 0.3790

# 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.



69.6785, 0.2888, 0.3643



69.6785, 0.3013, 0.2801



69.6785, 0.3527, 0.3874

# Square

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



69.6785, 0.3013, 0.2801



69.6785, 0.3783, 0.3493



69.6785, 0.3214, 0.3847



69.6785, 0.2513, 0.3031



# Rectangle

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



69.6785, 0.3013, 0.2801



69.6785, 0.3555, 0.3130



69.6785, 0.3214, 0.3847



69.6785, 0.2707, 0.3442

# Sweetspot

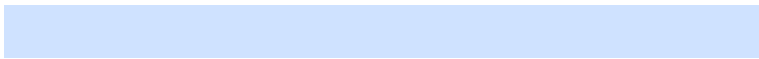
The Sweet Spot groups the original color and five complimentary colors.



69.6794, 0.3013, 0.2801



89.4914, 0.3095, 0.3141



74.9919, 0.2826, 0.2983



18.9203, 0.3091, 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.



69.6794, 0.3013, 0.2801



63.9718, 0.2983, 0.2685



72.8055, 0.3182, 0.2866



17.9201, 0.3074, 0.3051



7.4469, 0.2238, 0.1006



0.7885, 0.2346, 0.1066



# Inverse Universe

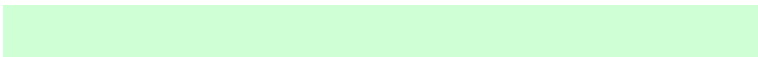
The Inverse Universe completely reimagines the original color for something new.



71.3836, 0.3355, 0.3099



66.0441, 0.3418, 0.3054



89.5308, 0.3076, 0.3755



18.1064, 0.3232, 0.3196



11.6281, 0.5399, 0.2748



1.1530, 0.5096, 0.2581



# Previews

## White Background



This preview shows how the Yxy color 69.6785, 0.3013, 0.2801 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

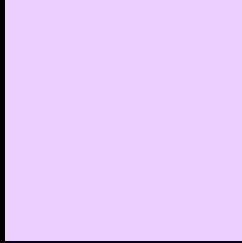
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.6785, 0.3013, 0.2801 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

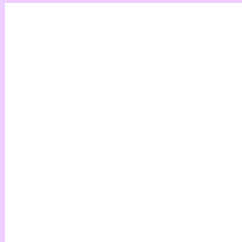
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.6785, 0.3013, 0.2801**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.6785, 0.3013, 0.2801.

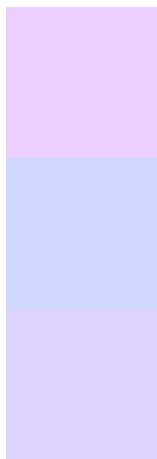


This preview shows how white text looks on a background with the Yxy color 69.6785, 0.3013, 0.2801.

# 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

69.6785, 0.3013, 0.2801

### Protanopia

69.8870, 0.2832, 0.2873

### Deuteranopia

69.6149, 0.2916, 0.2849



## Tritanopia

69.8442, 0.3164, 0.3121

# Trichromacy



## Original Color

69.6785, 0.3013, 0.2801

## Protanomaly

69.8686, 0.2897, 0.2849

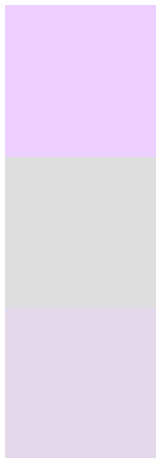
## Deuteranomaly

69.4177, 0.2950, 0.2833

## Tritanomaly

69.5899, 0.3104, 0.2997

# Monochromacy



## Original Color

69.6785, 0.3013, 0.2801

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

71.1637, 0.3086, 0.3109

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.6785, 0.3013, 0.2801 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(236, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 207, 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(236, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 207, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 69.6785, 0.3013, 0.2801 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(236, 207, 255) }
```

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

```
.border{ border-color:rgb(236, 207, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 207,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.6785, 0.3013, 0.2801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 207, 255) }
```

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

```
.background{ background-color: rgb(236,  
207, 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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