

# Converting Colors

$Y_{xy}(123.1043, 0.3176, 0.2036)$

Have a look what the booklet for  
Yxy(123.1043, 0.3176, 0.2036)  
contains.

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# Color

**Yxy(69.3268, 0.3153, 0.2742)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC7FF
RGB	255, 199, 255
RGB Percent	100%, 78%, 100%
CMY	0.0000, 0.2196, 0.0000
CMYK	0.00, 0.22, 0.00, 0.00
HSL	300°, 100%, 89%
HSV	300°, 22%, 100%
XYZ	79.7182, 69.3268, 103.7879
YIQ	222.1280, 15.4000, 29.2880

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	255, 199, 255
Decimal	16762879
CIE Lab	86.67, 29.01, -19.82
CIE LCh	87, 35.132, 325.654
Yxy	69.3268, 0.3153, 0.2742
Android (android.graphics.Color)	4294952959 (0xFFFFC7FF)
YUV	222.1280, 16.2059, 28.8287
Hunter-Lab	83.2627, 25.1915, -15.6218

# Details

The Yxy color **69.3268, 0.3153, 0.2742** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.7853, 0.3098, 0.3907**, and the grayscale version is **73.0156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.3338, 0.3158, 0.2631** is the 20% darker color. If you saturate the color by 10%, you get **58.5586, 0.3165, 0.2493**, and if you desaturate by 10%, it is **82.0596, 0.3141, 0.2994**.

# Distribution



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



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



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.3268, 0.3153, 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 69.3268, 0.3153, 0.2742 by changing the saturation by 10% instead.




 69.3268, 0.3153,  
0.2742

 69.3268, 0.3153,  
0.2742


458.1827, 0.3146,  
0.2986

 50.9779, 0.3154,  
0.2689


118.2482, 0.3151,  
0.2825

 36.1910, 0.3154,  
0.2624


149.5895, 0.3150,  
0.2857

 24.5818, 0.3153,  
0.2544


186.0304, 0.3150,  
0.2886

 15.7657, 0.3152,  
0.2442


227.9553, 0.3149,  
0.2911

 9.3585, 0.3147,  
0.2308

275.7486, 0.3148,  
0.2933

 4.9758, 0.3137,  
0.2127


329.7947, 0.3147,


 2.2331, 0.3112,


0.2952


0.1866


390.4779, 0.3146,  
0.2970

 0.7379, 0.3053,  
0.1457


 0.0000, 0.2664,  
0.0000

 69.3268, 0.3153,  
0.2742


 69.3268, 0.3153,  
0.2742

 58.5586, 0.3165,  
0.2493


 82.0596, 0.3141,  
0.2994

 49.6593, 0.3176,  
0.2257

 96.8502, 0.3129,  
0.3242

 42.5218, 0.3186,  
0.2043

100.0000, 0.3127,  
0.3290

 37.0291, 0.3194,  
0.1861

■ 33.0501, 0.3201,  
0.1718

■ 30.4339, 0.3206,  
0.1619

■ 28.9981, 0.3208,  
0.1562

■ 28.4800, 0.3209,  
0.1542

# Harmonies

## Analogous

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



69.3268, 0.2742, 0.2607



69.3268, 0.3153, 0.2742



69.3268, 0.3584, 0.3000

# Triad

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



69.3268, 0.3153, 0.2742



69.3268, 0.3826, 0.3953



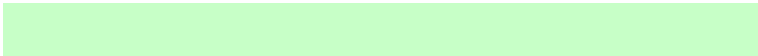
69.3268, 0.2411, 0.3170

# Complementary

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



69.3268, 0.3153, 0.2742



87.7853, 0.3098, 0.3907

# 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.



69.3268, 0.2667, 0.3594



69.3268, 0.3153, 0.2742



69.3268, 0.3481, 0.4067

# Square

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



69.3268, 0.3153, 0.2742



69.3268, 0.3985, 0.3676



69.3268, 0.3056, 0.3940



69.3268, 0.2337, 0.2821



# Rectangle

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



69.3268, 0.3153, 0.2742



69.3268, 0.3814, 0.3217



69.3268, 0.3056, 0.3940



69.3268, 0.2478, 0.3309

# Sweetspot

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



69.3261, 0.3153, 0.2742



89.1353, 0.3135, 0.3118



60.2080, 0.2754, 0.2674



18.8885, 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.



69.3261, 0.3153, 0.2742



64.7463, 0.3158, 0.2641



67.6521, 0.3358, 0.3008



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542



# Inverse Universe

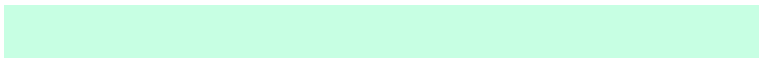
The Inverse Universe completely reimagines the original color for something new.



69.3261, 0.3153, 0.2742



64.7463, 0.3158, 0.2641



89.2079, 0.2946, 0.3591



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 69.3268, 0.3153, 0.2742 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

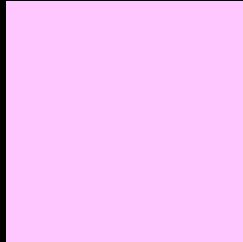
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.3268, 0.3153, 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 69.3268, 0.3153, 0.2742**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.3268, 0.3153, 0.2742.



This preview shows how white text looks on a background with the Yxy color 69.3268, 0.3153, 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

69.3268, 0.3153, 0.2742

### Protanopia

69.8870, 0.2832, 0.2873

### Deuteranopia

69.5510, 0.2923, 0.2859



## Tritanopia

69.2071, 0.3357, 0.3126

# Trichromacy



## Original Color

69.3268, 0.3153, 0.2742



## Protanomaly

69.4819, 0.2944, 0.2823



## Deuteranomaly

69.1050, 0.2999, 0.2808



## Tritanomaly

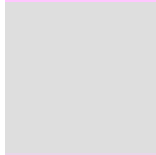
69.2905, 0.3286, 0.2987

# Monochromacy



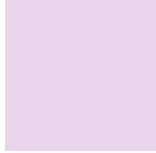
## Original Color

69.3268, 0.3153, 0.2742



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

71.5261, 0.3137, 0.3081

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.3268, 0.3153, 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(255, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 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, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 69.3268, 0.3153, 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(255, 199, 255) }
```

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

```
.border{ border-color:rgb(255, 199, 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, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.3268, 0.3153, 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(255, 199, 255) }
```

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

```
.background{ background-color: rgb(255,  
199, 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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