

# Converting Colors

$Yxy(69.6724, 0.3039, 0.2726)$

Have a look what the booklet for  
Yxy(69.6724, 0.3039, 0.2726)  
contains.

<b>Yxy(69.1650, 0.3071, 0.2769)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(69.1650, 0.3071, 0.2769)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4CBFF
RGB	244, 203, 255
RGB Percent	96%, 80%, 100%
CMY	0.0432, 0.2039, 0.0000
CMYK	0.04, 0.20, 0.00, 0.00
HSL	287°, 100%, 90%
HSV	287°, 20%, 100%
XYZ	76.7085, 69.1650, 103.9099
YIQ	221.1870, 7.7440, 24.8640

# Conversions

## Conversions Part 2

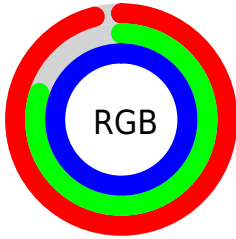
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 203, 255
Decimal	16043007
CIE <sub>Lab</sub>	86.59, 23.34, -20.04
CIE <sub>LCh</sub>	87, 30.760, 319.357
Yxy	69.1650, 0.3071, 0.2769
Android (android.graphics.Color)	4294233087 (0xFFFF4CBFF)
YUV	221.1870, 16.6698, 20.0070
Hunter-Lab	83.1655, 19.1015, -15.8631

# Details

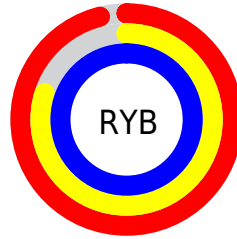
The Yxy color  $69.1650, 0.3071, 0.2769$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $90.1295, 0.3169, 0.3845$ , and the grayscale version is  $72.3220, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $36.1369, 0.3051, 0.2661$  is the 20% darker color. If you saturate the color by 10%, you get  $57.1452, 0.3035, 0.2501$ , and if you desaturate by 10%, it is  $83.1998, 0.3101, 0.3031$ .

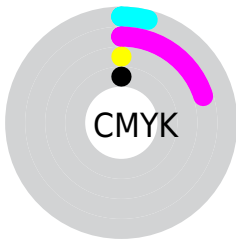
# Distribution



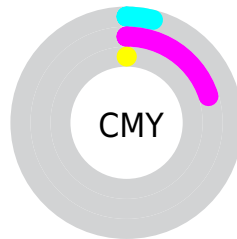
- Red (96%)
- Green (80%)
- Blue (100%)



- Red (96%)
- Yellow (80%)
- Blue (100%)



- Cyan (4%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (20%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.1650, 0.3071, 0.2769 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 69.1650, 0.3071, 0.2769 by changing the saturation by 10% instead.




 69.1650, 0.3071,  
0.2769

 69.1650, 0.3071,  
0.2769

457.6127, 0.3101,  
0.3002

 50.8461, 0.3063,  
0.2718


118.0172, 0.3082,  
0.2848

 36.0861, 0.3053,  
0.2655


149.3193, 0.3086,  
0.2880

 24.5007, 0.3040,  
0.2578


185.7179, 0.3090,  
0.2907

 15.7055, 0.3022,  
0.2479

227.5975, 0.3093,  
0.2931

 9.3160, 0.2996,  
0.2349

275.3423, 0.3095,  
0.2952

 4.9479, 0.2955,  
0.2171

329.3369, 0.3097,

 2.2167, 0.2884,

0.2970

0.1914

389.9655, 0.3099,  
0.2987

0.7291, 0.2752,  
0.1501

0.0000, 0.1754,  
0.0000

69.1650, 0.3071,  
0.2769

69.1650, 0.3071,  
0.2769

57.1452, 0.3035,  
0.2501

83.1998, 0.3101,  
0.3031

47.0345, 0.2992,  
0.2236

99.3310, 0.3126,  
0.3281

38.7308, 0.2944,  
0.1983

99.9997, 0.3127,  
0.3290

32.1188, 0.2892,  
0.1754

■ 27.0695, 0.2836,  
0.1560

■ 23.4355, 0.2778,  
0.1409

■ 21.0403, 0.2721,  
0.1305

■ 19.6335, 0.2668,  
0.1243

# Harmonies

## Analogous

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



69.1650, 0.2725, 0.2677



69.1650, 0.3071, 0.2769



69.1650, 0.3453, 0.2980

# Triad

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



69.1650, 0.3071, 0.2769



69.1650, 0.3787, 0.3834



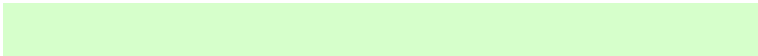
69.1650, 0.2531, 0.3264

# Complementary

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



69.1650, 0.3071, 0.2769



90.1295, 0.3169, 0.3845

# 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.



69.1650, 0.2789, 0.3629



69.1650, 0.3071, 0.2769



69.1650, 0.3514, 0.3965

# Square

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



69.1650, 0.3071, 0.2769



69.1650, 0.3880, 0.3574



69.1650, 0.3147, 0.3896



69.1650, 0.2428, 0.2936



# Rectangle

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



69.1650, 0.3071, 0.2769



69.1650, 0.3672, 0.3166



69.1650, 0.3147, 0.3896



69.1650, 0.2601, 0.3388

# Sweetspot

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



69.1680, 0.3071, 0.2769



90.0141, 0.3113, 0.3142



68.1512, 0.2793, 0.2849



19.0441, 0.3111, 0.3126



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.



69.1680, 0.3071, 0.2769



64.5980, 0.3059, 0.2673



70.2845, 0.3255, 0.2920



18.0948, 0.3104, 0.3053



10.3264, 0.2677, 0.1248



1.0517, 0.2740, 0.1283



# Inverse Universe

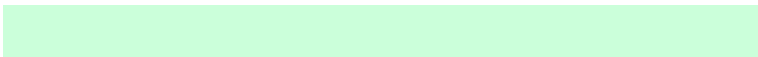
The Inverse Universe completely reimagines the original color for something new.



68.8337, 0.3451, 0.3179



64.2481, 0.3525, 0.3158



89.2638, 0.3019, 0.3691



18.0500, 0.3261, 0.3240



11.2656, 0.6048, 0.3105



1.1120, 0.5745, 0.2939



# Previews

## White Background



This preview shows how the Yxy color 69.1650, 0.3071, 0.2769 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

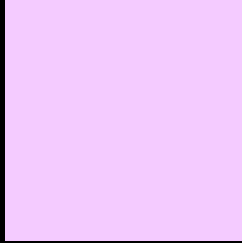
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.1650, 0.3071, 0.2769 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

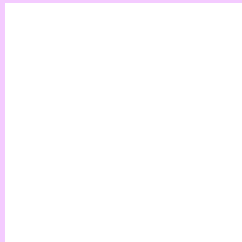
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.1650, 0.3071, 0.2769**

## Background



This preview shows how black text looks on a background with the Yxy color 69.1650, 0.3071, 0.2769.

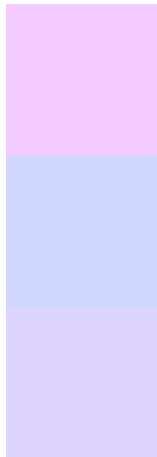


This preview shows how white text looks on a background with the Yxy color 69.1650, 0.3071, 0.2769.

# 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

69.1650, 0.3071, 0.2769

### Protanopia

69.2308, 0.2825, 0.2861

### Deuteranopia

69.3945, 0.2916, 0.2858



## Tritanopia

68.8987, 0.3241, 0.3112

# Trichromacy



## Original Color

69.1650, 0.3071, 0.2769

## Protanomaly

69.1807, 0.2910, 0.2829

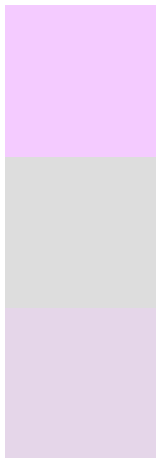
## Deuteranomaly

69.4147, 0.2971, 0.2825

## Tritanomaly

68.8995, 0.3179, 0.2980

# Monochromacy



## Original Color

69.1650, 0.3071, 0.2769

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

70.6343, 0.3108, 0.3089

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.1650, 0.3071, 0.2769 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(244, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 203, 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(244, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 203, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 69.1650, 0.3071, 0.2769 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(244, 203, 255) }
```

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

```
.border{ border-color:rgb(244, 203, 255) }
```

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

Here you see how a box with a 4 pixel rgb(244, 203, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 203,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.1650, 0.3071, 0.2769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 203, 255) }
```

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

```
.background{ background-color: rgb(244,  
203, 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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