

# Converting Colors

Yxy(69.4075, 0.3121, 0.2959)

Have a look what the booklet for  
Yxy(69.4075, 0.3121, 0.2959)  
contains.

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# Color

**Yxy(69.4075, 0.3121, 0.2959)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDD0F0
RGB	237, 208, 240
RGB Percent	93%, 82%, 94%
CMY	0.0705, 0.1843, 0.0590
CMYK	0.01, 0.13, 0.00, 0.06
HSL	294°, 52%, 88%
HSV	294°, 13%, 94%
XYZ	73.2074, 69.4075, 91.9491
YIQ	220.3190, 7.0120, 16.1000

# Conversions

## Conversions Part 2

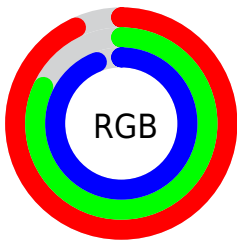
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 208, 240
Decimal	15585520
CIE <sub>Lab</sub>	86.71, 15.63, -11.96
CIE <sub>LCh</sub>	87, 19.684, 322.570
Yxy	69.4075, 0.3121, 0.2959
Android (android.graphics.Color)	4293775600 (0xFFEDD0F0)
YUV	220.3190, 9.7027, 14.6292
Hunter-Lab	83.3112, 11.0575, -7.1195

# Details

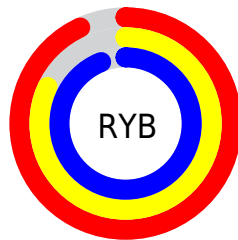
The Yxy color **69.4075, 0.3121, 0.2959** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **80.6975, 0.3130, 0.3640**, and the grayscale version is **71.7334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.3957, 0.3117, 0.2889** is the 20% darker color. If you saturate the color by 10%, you get **58.2012, 0.3114, 0.2702**, and if you desaturate by 10%, it is **82.3947, 0.3126, 0.3209**.

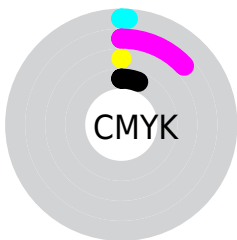
# Distribution



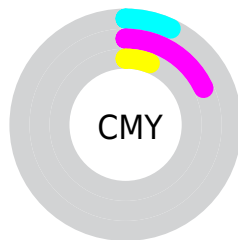
- Red (93%)
- Green (82%)
- Blue (94%)



- Red (93%)
- Yellow (82%)
- Blue (94%)



- Cyan (1%)
- Magenta (13%)
- Yellow (0%)
- Black (6%)




- Cyan (7%)
- Magenta (18%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.4075, 0.3121, 0.2959 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 69.4075, 0.3121, 0.2959 by changing the saturation by 10% instead.



 69.4075, 0.3121,  
0.2959

 69.4075, 0.3121,  
0.2959


458.4669, 0.3126,  
0.3110

 51.0436, 0.3120,  
0.2925

118.3634, 0.3123,  
0.3011

 36.2433, 0.3118,  
0.2884


149.7243, 0.3124,  
0.3031

 24.6222, 0.3115,  
0.2832


186.1863, 0.3124,  
0.3049

 15.7958, 0.3111,  
0.2765

228.1338, 0.3124,  
0.3064

 9.3798, 0.3104,  
0.2675

275.9512, 0.3125,  
0.3077

 4.9897, 0.3093,  
0.2548

330.0229, 0.3125,

 2.2412, 0.3071,

0.3089

0.2357

390.7334, 0.3125,  
0.3100

0.7423, 0.3028,  
0.2022

0.0000, 0.0736,  
0.0000

69.4075, 0.3121,  
0.2959

69.4075, 0.3121,  
0.2959

58.2012, 0.3114,  
0.2702

82.3947, 0.3126,  
0.3209

48.6876, 0.3104,  
0.2447


96.5890, 0.3129,  
0.3438

40.7844, 0.3091,  
0.2201


96.9826, 0.3143,  
0.3438

34.3988, 0.3075,  
0.1975

97.3811, 0.3157,  
0.3437


 29.4286, 0.3056,  
0.1779


 97.7844, 0.3171,  
0.3437


 25.7590, 0.3036,  
0.1622


 98.1924, 0.3185,  
0.3436

 23.2574, 0.3013,  
0.1509

 98.6053, 0.3199,  
0.3435

 21.7625, 0.2990,  
0.1439

 99.0230, 0.3213,  
0.3435

 21.1617, 0.2974,  
0.1412

 99.0693, 0.3215,  
0.3435

# Harmonies

## Analogous

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



69.4075, 0.2890, 0.2890



69.4075, 0.3121, 0.2959



69.4075, 0.3361, 0.3107

# Triad

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



69.4075, 0.3121, 0.2959



69.4075, 0.3537, 0.3658



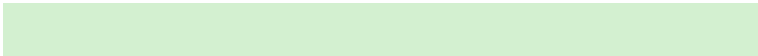
69.4075, 0.2728, 0.3255

# Complementary

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



69.4075, 0.3121, 0.2959



80.6975, 0.3130, 0.3640

# 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.



69.4075, 0.2890, 0.3481



69.4075, 0.3121, 0.2959



69.4075, 0.3356, 0.3718

# Square

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



69.4075, 0.3121, 0.2959



69.4075, 0.3607, 0.3503



69.4075, 0.3119, 0.3655



69.4075, 0.2670, 0.3050



# Rectangle

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



69.4075, 0.3121, 0.2959



69.4075, 0.3493, 0.3235



69.4075, 0.3119, 0.3655



69.4075, 0.2772, 0.3331

# Sweetspot

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



69.4105, 0.3121, 0.2959



93.4855, 0.3126, 0.3192



66.3890, 0.2915, 0.2974



19.7557, 0.3125, 0.3174



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.



69.4105, 0.3121, 0.2959



75.9662, 0.3119, 0.2889



69.1901, 0.3232, 0.3090



15.9528, 0.3123, 0.3056



11.6192, 0.2978, 0.1414



0.9881, 0.3010, 0.1432



# Inverse Universe

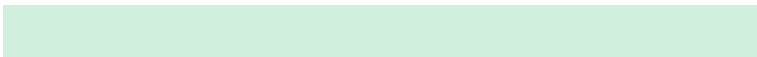
The Inverse Universe completely reimagines the original color for something new.



68.3351, 0.3350, 0.3259



74.5149, 0.3404, 0.3253



80.9202, 0.3035, 0.3499



15.7826, 0.3279, 0.3268



10.1814, 0.6296, 0.3242

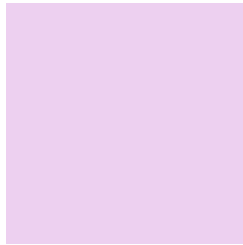


0.8550, 0.6063, 0.3114



# Previews

## White Background



This preview shows how the Yxy color 69.4075, 0.3121, 0.2959 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

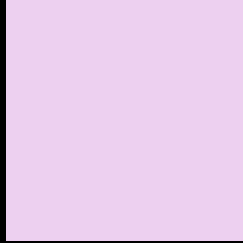
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.4075, 0.3121, 0.2959 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

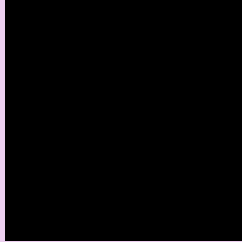
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

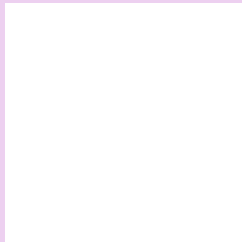
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.4075, 0.3121, 0.2959**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.4075, 0.3121, 0.2959.



This preview shows how white text looks on a background with the Yxy color 69.4075, 0.3121, 0.2959.

# 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

69.4075, 0.3121, 0.2959

### Protanopia

69.8504, 0.2919, 0.2978

### Deuteranopia

69.3145, 0.3061, 0.2994



## Tritanopia

69.3014, 0.3195, 0.3111

# Trichromacy



## Original Color

69.4075, 0.3121, 0.2959

## Protanomaly

69.5892, 0.2993, 0.2971

## Deuteranomaly

69.3141, 0.3083, 0.2986

## Tritanomaly

69.2600, 0.3168, 0.3049

# Monochromacy



## Original Color

69.4075, 0.3121, 0.2959

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

70.8265, 0.3125, 0.3172

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.4075, 0.3121, 0.2959 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(237, 208, 240)` looks like.

```
.text, #text, p{  
    color:rgb(237, 208, 240)  
}
```

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(237, 208, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 208, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 69.4075, 0.3121, 0.2959 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(237, 208, 240) }
```

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

```
.border{ border-color:rgb(237, 208, 240) }
```

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

Here you see how a box with a 4 pixel rgb(237, 208, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 208, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 208, 240);  
box-shadow:4px 4px 4px 4px rgb(237, 208,  
240) }
```



# Background

The CSS property to change the background color of an element to `rgb(69.4075, 0.3121, 0.2959)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 208, 240) }
```

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

```
.background{ background-color: rgb(237,  
208, 240) }
```

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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