

# Converting Colors

Yxy(68.5411, 0.3118, 0.2926)

Have a look what the booklet for  
Yxy(68.5411, 0.3118, 0.2926)  
contains.

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# Color

**Yxy(68.6706, 0.3122, 0.2928)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EECEF1
RGB	238, 206, 241
RGB Percent	93%, 81%, 95%
CMY	0.0665, 0.1922, 0.0548
CMYK	0.01, 0.15, 0.00, 0.05
HSL	295°, 56%, 88%
HSV	295°, 15%, 95%
XYZ	73.2205, 68.6706, 92.6396
YIQ	219.5580, 7.8370, 17.6690

# Conversions

## Conversions Part 2

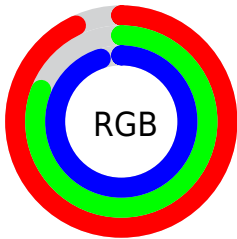
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 206, 241
Decimal	15650545
CIE Lab	86.34, 17.23, -13.06
CIE LCh	86, 21.624, 322.829
Yxy	68.6706, 0.3122, 0.2928
Android (android.graphics.Color)	4293840625 (0xFFEECEF1)
YUV	219.5580, 10.5709, 16.1736
Hunter-Lab	82.8677, 12.7010, -8.2742

# Details

The Yxy color **68.6706, 0.3122, 0.2928** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **80.9394, 0.3129, 0.3676**, and the grayscale version is **71.1721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.9043, 0.3119, 0.2851** is the 20% darker color. If you saturate the color by 10%, you get **57.5903, 0.3116, 0.2671**, and if you desaturate by 10%, it is **81.5404, 0.3126, 0.3179**.

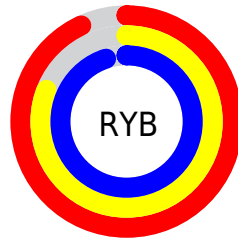
# Distribution



Red (93%)

Green (81%)

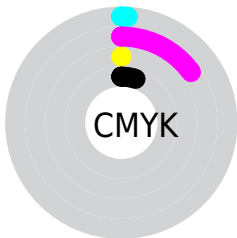
Blue (95%)



Red (93%)

Yellow (81%)

Blue (95%)

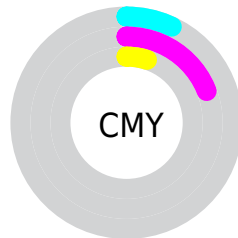


Cyan (1%)

Magenta (15%)

Yellow (0%)

Black (5%)



Cyan (7%)

Magenta (19%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6706, 0.3122, 0.2928 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 68.6706, 0.3122, 0.2928 by changing the saturation by 10% instead.




 68.6706, 0.3122,  
0.2928

 68.6706, 0.3122,  
0.2928


455.8683, 0.3126,  
0.3092

 50.4435, 0.3121,  
0.2891


117.3110, 0.3124,  
0.2984

 35.7659, 0.3118,  
0.2846


148.4930, 0.3125,  
0.3007

 24.2535, 0.3116,  
0.2789


184.7622, 0.3125,  
0.3026

 15.5217, 0.3111,  
0.2716


226.5028, 0.3125,  
0.3042

 9.1864, 0.3104,  
0.2619

274.0994, 0.3126,  
0.3057

 4.8629, 0.3091,  
0.2481

327.9362, 0.3126,

 2.1671, 0.3067,

0.3070

0.2275

388.3977, 0.3126,  
0.3082

0.7020, 0.3021,  
0.1906

0.0000, 0.0701,  
0.0000

68.6706, 0.3122,  
0.2928

68.6706, 0.3122,  
0.2928

57.5903, 0.3116,  
0.2671

81.5404, 0.3126,  
0.3179

48.2098, 0.3107,  
0.2417

96.2664, 0.3128,  
0.3420

40.4450, 0.3095,  
0.2174

97.1456, 0.3141,  
0.3427

34.2012, 0.3081,  
0.1952

97.5170, 0.3153,  
0.3426

29.3735, 0.3064,  
0.1762

97.8926, 0.3166,  
0.3426

25.8441, 0.3045,  
0.1612

98.2723, 0.3179,  
0.3425

23.4761, 0.3025,  
0.1506

98.6562, 0.3192,  
0.3425

22.1016, 0.3003,  
0.1443

99.0442, 0.3205,  
0.3424

21.6328, 0.2991,  
0.1422

99.1329, 0.3208,  
0.3424

# Harmonies

## Analogous

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



68.6706, 0.2868, 0.2852



68.6706, 0.3122, 0.2928



68.6706, 0.3387, 0.3091

# Triad

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



68.6706, 0.3122, 0.2928



68.6706, 0.3577, 0.3695



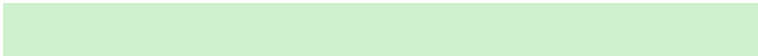
68.6706, 0.2687, 0.3248

# Complementary

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



68.6706, 0.3122, 0.2928



80.9394, 0.3129, 0.3676

# 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.



68.6706, 0.2864, 0.3499



68.6706, 0.3122, 0.2928



68.6706, 0.3377, 0.3763

# Square

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



68.6706, 0.3122, 0.2928



68.6706, 0.3656, 0.3524



68.6706, 0.3115, 0.3693



68.6706, 0.2625, 0.3023



# Rectangle

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



68.6706, 0.3122, 0.2928



68.6706, 0.3532, 0.3230



68.6706, 0.3115, 0.3693



68.6706, 0.2735, 0.3332

# Sweetspot

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



68.6736, 0.3122, 0.2928



93.4987, 0.3126, 0.3192



65.3168, 0.2894, 0.2942



19.7591, 0.3126, 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.



68.6736, 0.3122, 0.2928



74.6955, 0.3121, 0.2864



68.3910, 0.3243, 0.3071



15.9586, 0.3124, 0.3056



11.7569, 0.2995, 0.1424



0.9981, 0.3025, 0.1440



# Inverse Universe

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



67.4469, 0.3376, 0.3259



73.0969, 0.3427, 0.3253



81.2182, 0.3026, 0.3520



15.7808, 0.3280, 0.3270



10.1776, 0.6306, 0.3247

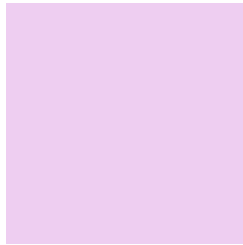


0.8542, 0.6086, 0.3126



# Previews

## White Background



This preview shows how the Yxy color 68.6706, 0.3122, 0.2928 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

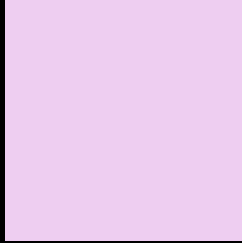
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.6706, 0.3122, 0.2928 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

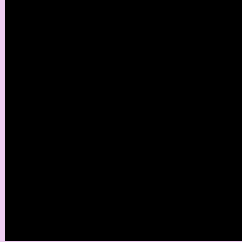
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.6706, 0.3122, 0.2928**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.6706, 0.3122, 0.2928.



This preview shows how white text looks on a background with the Yxy color 68.6706, 0.3122, 0.2928.

# 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

68.6706, 0.3122, 0.2928

### Protanopia

69.1652, 0.2893, 0.2945

### Deuteranopia

68.5532, 0.3041, 0.2972



## Tritanopia

68.8700, 0.3217, 0.3121

# Trichromacy



## Original Color

68.6706, 0.3122, 0.2928

## Protanomaly

69.0517, 0.2973, 0.2939

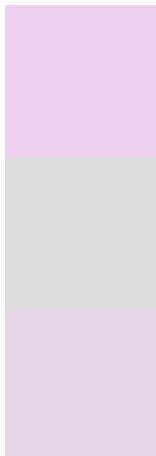
## Deuteranomaly

68.7152, 0.3070, 0.2964

## Tritanomaly

68.8858, 0.3183, 0.3049

# Monochromacy



## Original Color

68.6706, 0.3122, 0.2928

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

70.5332, 0.3126, 0.3151

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.6706, 0.3122, 0.2928 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(238, 206, 241)` looks like.

```
.text, #text, p{  
    color:rgb(238, 206, 241)  
}
```

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(238, 206, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 206, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6706, 0.3122, 0.2928 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(238, 206, 241) }
```

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

```
.border{ border-color:rgb(238, 206, 241) }
```

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

Here you see how a box with a 4 pixel rgb(238, 206, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 206, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 206, 241);  
box-shadow:4px 4px 4px 4px rgb(238, 206,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6706, 0.3122, 0.2928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 206, 241) }
```

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

```
.background{ background-color: rgb(238,  
206, 241) }
```

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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