

# Converting Colors

$Y_{xy}(72.5791, 0.3097, 0.3029)$

Have a look what the booklet for  
Yxy(72.5791, 0.3097, 0.3029)  
contains.

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# Color

**Yxy(72.3846, 0.3096, 0.3030)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EAD7F0
RGB	234, 215, 240
RGB Percent	92%, 84%, 94%
CMY	0.0824, 0.1568, 0.0586
CMYK	0.03, 0.10, 0.00, 0.06
HSL	285°, 46%, 89%
HSV	285°, 10%, 94%
XYZ	73.9613, 72.3846, 92.5472
YIQ	223.5310, 3.2990, 11.8030

# Conversions

## Conversions Part 2

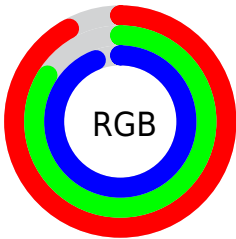
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">234, 215, 240</a>
Decimal	<a href="#">15390704</a>
CIELab	<a href="#">88.15, 10.96, -9.88</a>
CIELCh	<a href="#">88, 14.752, 317.971</a>
Yxy	<a href="#">72.3846, 0.3096, 0.3030</a>
Android (android.graphics.Color)	<a href="#">4293580784 (0xFFEAD7F0)</a>
YUV	<a href="#">223.5310, 8.1192, 9.1813</a>
Hunter-Lab	<a href="#">85.0791, 6.2857, -4.9389</a>

# Details

The Yxy color **72.3846, 0.3096, 0.3030** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.6377, 0.3155, 0.3557**, and the grayscale version is **74.1306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.0673, 0.3086, 0.2968** is the 20% darker color. If you saturate the color by 10%, you get **60.0782, 0.3060, 0.2768**, and if you desaturate by 10%, it is **86.5231, 0.3126, 0.3280**.

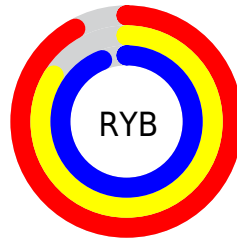
# Distribution



Red (92%)

Green (84%)

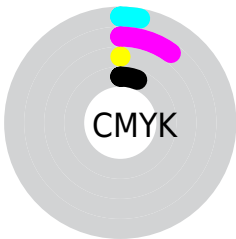
Blue (94%)



Red (92%)

Yellow (84%)

Blue (94%)

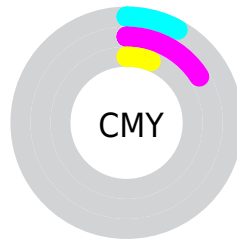


Cyan (3%)

Magenta (10%)

Yellow (0%)

Black (6%)



Cyan (8%)

Magenta (16%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3846, 0.3096, 0.3030 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 72.3846, 0.3096, 0.3030 by changing the saturation by 10% instead.




 72.3846, 0.3096,  
0.3030

 72.3846, 0.3096,  
0.3030

468.8792, 0.3111,  
0.3148

 53.4729, 0.3092,  
0.3003


122.6032, 0.3102,  
0.3071

 38.1804, 0.3088,  
0.2971

154.6788, 0.3104,  
0.3087

 26.1228, 0.3081,  
0.2930


191.9113, 0.3105,  
0.3100

 16.9155, 0.3073,  
0.2877

234.6849, 0.3107,  
0.3112

 10.1743, 0.3061,  
0.2807

283.3841, 0.3108,  
0.3123

 5.5147, 0.3043,  
0.2707

338.3933, 0.3109,

 2.5523, 0.3013,

0.3132

0.2556

400.0969, 0.3110,  
0.3141

0.9027, 0.2953,  
0.2301

0.0000, 0.1353,  
0.0000

72.3846, 0.3096,  
0.3030

72.3846, 0.3096,  
0.3030

60.0782, 0.3060,  
0.2768

86.5231, 0.3126,  
0.3280

49.5164, 0.3017,  
0.2498

97.3363, 0.3155,  
0.3436

40.6187, 0.2967,  
0.2230

98.4018, 0.3192,  
0.3435

33.2940, 0.2911,  
0.1973

99.0741, 0.3214,  
0.3434

■ 27.4430, 0.2850,  
0.1739

■ 22.9544, 0.2785,  
0.1538

■ 19.7010, 0.2719,  
0.1380

■ 17.5311, 0.2654,  
0.1269

■ 16.2293, 0.2593,  
0.1202

# Harmonies

## Analogous

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



72.3846, 0.2929, 0.2990



72.3846, 0.3096, 0.3030



72.3846, 0.3275, 0.3134

# Triad

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



72.3846, 0.3096, 0.3030



72.3846, 0.3444, 0.3550



72.3846, 0.2844, 0.3292

# Complementary

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



72.3846, 0.3096, 0.3030



82.6377, 0.3155, 0.3557

# 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.



72.3846, 0.2976, 0.3454



72.3846, 0.3096, 0.3030



72.3846, 0.3322, 0.3604

# Square

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



72.3846, 0.3096, 0.3030



72.3846, 0.3479, 0.3429



72.3846, 0.3150, 0.3570



72.3846, 0.2787, 0.3135



# Rectangle

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



72.3846, 0.3096, 0.3030



72.3846, 0.3377, 0.3228



72.3846, 0.3150, 0.3570



72.3846, 0.2881, 0.3348

# Sweetspot

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



72.3877, 0.3096, 0.3030



94.8661, 0.3119, 0.3217



72.5958, 0.2964, 0.3088



20.0187, 0.3117, 0.3197



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.



72.3877, 0.3096, 0.3030



79.1521, 0.3087, 0.2963



73.0658, 0.3182, 0.3096



15.8274, 0.3099, 0.3055



8.9450, 0.2603, 0.1208



0.7897, 0.2686, 0.1254



# Inverse Universe

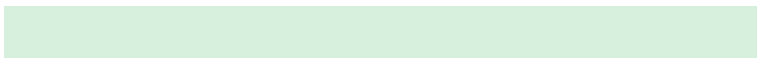
The Inverse Universe completely reimagines the original color for something new.



72.3617, 0.3270, 0.3227



79.1292, 0.3310, 0.3211



82.0306, 0.3077, 0.3492



15.8216, 0.3255, 0.3233



10.3263, 0.5953, 0.3053

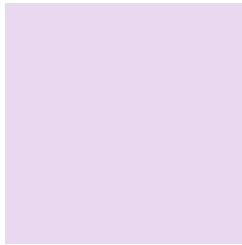


0.8742, 0.5586, 0.2851



# Previews

## White Background



This preview shows how the Yxy color 72.3846, 0.3096, 0.3030 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

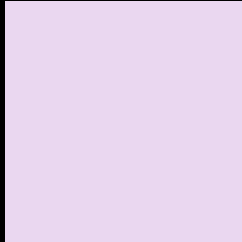
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.3846, 0.3096, 0.3030 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

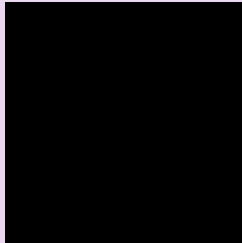
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

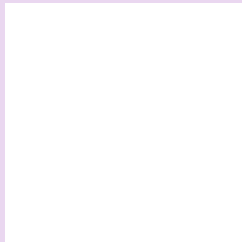
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.3846, 0.3096, 0.3030**

## Background



This preview shows how black text looks on a background with the Yxy color 72.3846, 0.3096, 0.3030.



This preview shows how white text looks on a background with the Yxy color 72.3846, 0.3096, 0.3030.

# 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

72.3846, 0.3096, 0.3030

### Protanopia

72.7175, 0.2973, 0.3045

### Deuteranopia

72.3846, 0.3096, 0.3030



## Tritanopia

72.3186, 0.3136, 0.3112

# Trichromacy



## Original Color

72.3846, 0.3096, 0.3030

## Protanomaly

72.4009, 0.3013, 0.3037

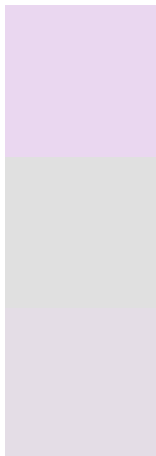
## Deuteranomaly

72.3846, 0.3096, 0.3030

## Tritanomaly

72.4915, 0.3115, 0.3081

# Monochromacy



## Original Color

72.3846, 0.3096, 0.3030

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

73.9201, 0.3118, 0.3195

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.3846, 0.3096, 0.3030 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(234, 215, 240)` looks like.

```
.text, #text, p{  
    color:rgb(234, 215, 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(234, 215, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 215, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 72.3846, 0.3096, 0.3030 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(234, 215, 240) }
```

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

```
.border{ border-color:rgb(234, 215, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 215, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 215, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 215, 240);  
box-shadow:4px 4px 4px 4px rgb(234, 215,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.3846, 0.3096, 0.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 215, 240) }
```

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

```
.background{ background-color: rgb(234,  
215, 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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