

# Converting Colors

$Y_{xy}(72.0653, 0.3044, 0.2945)$

Have a look what the booklet for  
Yxy(72.0653, 0.3044, 0.2945)  
contains.

<b>Yxy(72.1322, 0.3044, 0.2949)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(72.1322, 0.3044, 0.2949)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E9D6F7
RGB	233, 214, 247
RGB Percent	91%, 84%, 97%
CMY	0.0860, 0.1608, 0.0313
CMYK	0.06, 0.13, 0.00, 0.03
HSL	275°, 67%, 90%
HSV	275°, 13%, 97%
XYZ	74.4559, 72.1322, 98.0108
YIQ	223.4430, 0.7310, 14.2910

# Conversions

## Conversions Part 2

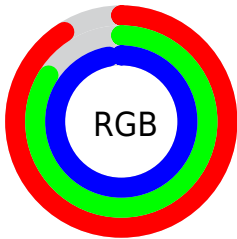
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 214, 247
Decimal	15324919
CIE Lab	88.03, 12.50, -13.74
CIE LCh	88, 18.579, 312.297
Yxy	72.1322, 0.3044, 0.2949
Android (android.graphics.Color)	4293514999 (0xFFE9D6F7)
YUV	223.4430, 11.6136, 8.3815
Hunter-Lab	84.9307, 7.8563, -8.9697

# Details

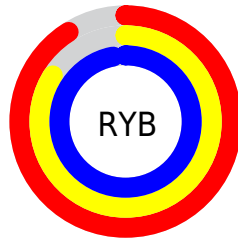
The Yxy color  $72.1322, 0.3044, 0.2949$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $87.8740, 0.3201, 0.3635$ , and the grayscale version is  $74.0458, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $37.9050, 0.3017, 0.2864$  is the 20% darker color. If you saturate the color by 10%, you get  $58.8609, 0.2969, 0.2674$ , and if you desaturate by 10%, it is  $87.4095, 0.3108, 0.3207$ .

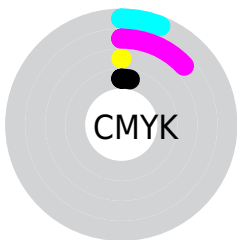
# Distribution



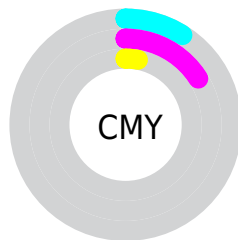
- Red (91%)
- Green (84%)
- Blue (97%)



- Red (91%)
- Yellow (84%)
- Blue (97%)



- Cyan (6%)
- Magenta (13%)
- Yellow (0%)
- Black (3%)




- Cyan (9%)
- Magenta (16%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1322, 0.3044, 0.2949 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 72.1322, 0.3044, 0.2949 by changing the saturation by 10% instead.




 72.1322, 0.3044,  
0.2949

 72.1322, 0.3044,  
0.2949


468.0016, 0.3084,  
0.3103

 53.2667, 0.3035,  
0.2915


122.2445, 0.3058,  
0.3002

 38.0157, 0.3023,  
0.2872


154.2600, 0.3064,  
0.3023

 25.9949, 0.3008,  
0.2820


191.4277, 0.3068,  
0.3041

 16.8198, 0.2988,  
0.2752

234.1318, 0.3072,  
0.3056

 10.1061, 0.2959,  
0.2662

282.7569, 0.3076,  
0.3070

 5.4694, 0.2918,  
0.2535

337.6873, 0.3079,

 2.5252, 0.2850,

0.3082

0.2346

399.3074, 0.3081,  
0.3093

0.8892, 0.2725,  
0.2037

0.0000, 0.1195,  
0.0000

72.1322, 0.3044,  
0.2949

72.1322, 0.3044,  
0.2949

58.8609, 0.2969,  
0.2674

87.4095, 0.3108,  
0.3207

47.4995, 0.2883,  
0.2387

99.2959, 0.3167,  
0.3366

37.9577, 0.2786,  
0.2096

99.4967, 0.3173,  
0.3366

30.1339, 0.2679,  
0.1814

■ 23.9164, 0.2566,  
0.1553

■ 19.1799, 0.2451,  
0.1328

■ 15.7795, 0.2338,  
0.1150

■ 13.5394, 0.2232,  
0.1025

■ 12.5234, 0.2166,  
0.0967

# Harmonies

## Analogous

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



72.1322, 0.2845, 0.2916



72.1322, 0.3044, 0.2949



72.1322, 0.3272, 0.3065

# Triad

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



72.1322, 0.3044, 0.2949



72.1322, 0.3545, 0.3592



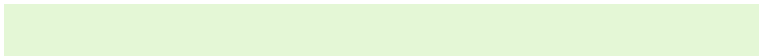
72.1322, 0.2797, 0.3331

# Complementary

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



72.1322, 0.3044, 0.2949



87.8740, 0.3201, 0.3635

# 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.



72.1322, 0.2975, 0.3532



72.1322, 0.3044, 0.2949



72.1322, 0.3408, 0.3682

# Square

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



72.1322, 0.3044, 0.2949



72.1322, 0.3567, 0.3428



72.1322, 0.3198, 0.3662



72.1322, 0.2707, 0.3126



# Rectangle

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



72.1322, 0.3044, 0.2949



72.1322, 0.3409, 0.3176



72.1322, 0.3198, 0.3662



72.1322, 0.2848, 0.3402

# Sweetspot

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



72.1353, 0.3044, 0.2949



92.8555, 0.3104, 0.3192



76.6625, 0.2917, 0.3091



19.5959, 0.3100, 0.3173



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.



72.1353, 0.3044, 0.2949



73.5497, 0.3025, 0.2877



74.4445, 0.3157, 0.2981



16.3992, 0.3070, 0.3052



6.7074, 0.2182, 0.0976



0.6499, 0.2306, 0.1044



# Inverse Universe

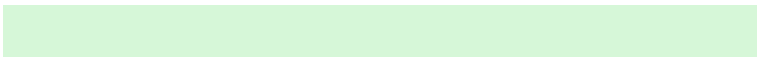
The Inverse Universe completely reimagines the original color for something new.



73.4613, 0.3274, 0.3148



75.2490, 0.3308, 0.3118



85.7959, 0.3098, 0.3620



16.5987, 0.3227, 0.3190



11.0176, 0.5286, 0.2686

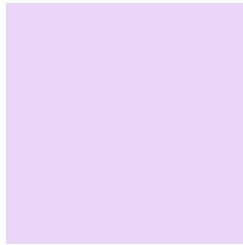


0.9884, 0.4965, 0.2509



# Previews

## White Background



This preview shows how the Yxy color 72.1322, 0.3044, 0.2949 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

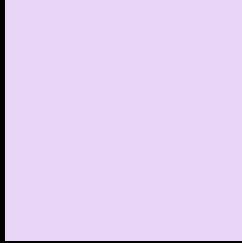
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.1322, 0.3044, 0.2949 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

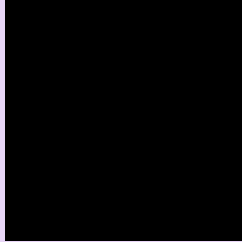
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

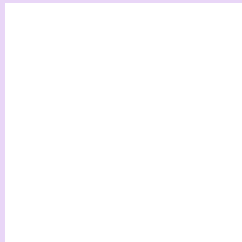
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.1322, 0.3044, 0.2949**

## Background



This preview shows how black text looks on a background with the Yxy color 72.1322, 0.3044, 0.2949.

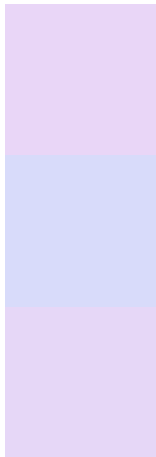


This preview shows how white text looks on a background with the Yxy color 72.1322, 0.3044, 0.2949.

# 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

72.1322, 0.3044, 0.2949

### Protanopia

72.1641, 0.2909, 0.2961

### Deuteranopia

72.1393, 0.3023, 0.2958



## Tritanopia

71.9839, 0.3121, 0.3111

# Trichromacy



## Original Color

72.1322, 0.3044, 0.2949

## Protanomaly

71.9949, 0.2955, 0.2954

## Deuteranomaly

72.3052, 0.3030, 0.2958

## Tritanomaly

71.9297, 0.3095, 0.3050

# Monochromacy



## Original Color

72.1322, 0.3044, 0.2949

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

73.3435, 0.3098, 0.3163

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.1322, 0.3044, 0.2949 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(233, 214, 247)` looks like.

```
.text, #text, p{  
    color:rgb(233, 214, 247)  
}
```

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(233, 214, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 214, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 72.1322, 0.3044, 0.2949 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(233, 214, 247) }
```

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

```
.border{ border-color:rgb(233, 214, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 214, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 214, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 214, 247);  
box-shadow:4px 4px 4px 4px rgb(233, 214,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.1322, 0.3044, 0.2949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 214, 247) }
```

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

```
.background{ background-color: rgb(233,  
214, 247) }
```

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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