

# Converting Colors

$Yxy(75.1787, 0.3072, 0.3082)$

Have a look what the booklet for  
Yxy(75.1787, 0.3072, 0.3082)  
contains.

<b>Yxy(75.2196, 0.3074, 0.3083)</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(75.2196, 0.3074, 0.3083)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8DDF1
RGB	232, 221, 241
RGB Percent	91%, 87%, 95%
CMY	0.0903, 0.1333, 0.0550
CMYK	0.04, 0.08, 0.00, 0.06
HSL	273°, 42%, 91%
HSV	273°, 8%, 94%
XYZ	75.0000, 75.2196, 93.7622
YIQ	226.5690, 0.1360, 8.5520

# Conversions

## Conversions Part 2

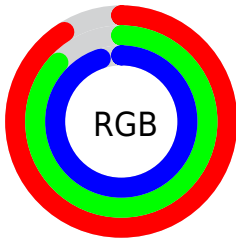
Format	Color
R <sub>Y</sub> B	232, 221, 241
Decimal	15261169
CIE Lab	89.50, 7.31, -8.39
CIE LCh	89, 11.129, 311.092
Yxy	75.2196, 0.3074, 0.3083
Android (android.graphics.Color)	4293451249 (0xFFE8DDF1)
YUV	226.5690, 7.1145, 4.7630
Hunter-Lab	86.7292, 2.5836, -3.3874

# Details

The Yxy color **75.2196, 0.3074, 0.3083** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **84.9434, 0.3177, 0.3498**, and the grayscale version is **76.4320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.0053, 0.3057, 0.3035** is the 20% darker color. If you saturate the color by 10%, you get **61.6325, 0.2999, 0.2815**, and if you desaturate by 10%, it is **90.7521, 0.3137, 0.3331**.

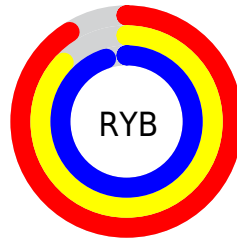
# Distribution



Red (91%)

Green (87%)

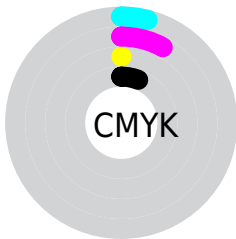
Blue (95%)



Red (91%)

Yellow (87%)

Blue (95%)

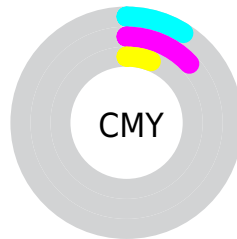


Cyan (4%)

Magenta (8%)

Yellow (0%)

Black (6%)



Cyan (9%)

Magenta (13%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.2196, 0.3074, 0.3083 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 75.2196, 0.3074, 0.3083 by changing the saturation by 10% instead.




 75.2196, 0.3074,  
0.3083

 75.2196, 0.3074,  
0.3083


478.6720, 0.3099,  
0.3177

 55.7928, 0.3068,  
0.3062


126.6232, 0.3083,  
0.3115

 40.0368, 0.3061,  
0.3036


159.3687, 0.3086,  
0.3128

 27.5673, 0.3052,  
0.3004


197.3227, 0.3089,  
0.3139

 17.9997, 0.3040,  
0.2962

240.8694, 0.3092,  
0.3148

 10.9498, 0.3023,  
0.2906

290.3933, 0.3094,  
0.3157

 6.0331, 0.2999,  
0.2827

346.2788, 0.3096,

 2.8652, 0.2960,

0.3164

0.2707

408.9102, 0.3097,  
0.3171

■ 1.0618, 0.2889,  
0.2505

■ 0.0000, 0.1928,  
0.0000

■ 75.2196, 0.3074,  
0.3083

■ 75.2196, 0.3074,  
0.3083

■ 61.6325, 0.2999,  
0.2815

■ 90.7521, 0.3137,  
0.3331

■ 49.9017, 0.2913,  
0.2531

■ 98.8877, 0.3201,  
0.3425

■ 39.9455, 0.2815,  
0.2239

■ 99.1292, 0.3209,  
0.3425

■ 31.6719, 0.2705,  
0.1947

■ 24.9807, 0.2588,  
0.1669

■ 19.7605, 0.2466,  
0.1418

■ 15.8850, 0.2345,  
0.1210

■ 13.2051, 0.2229,  
0.1053

■ 11.5121, 0.2123,  
0.0949

# Harmonies

## Analogous

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



75.2196, 0.2956, 0.3067



75.2196, 0.3074, 0.3083



75.2196, 0.3209, 0.3152

# Triad

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



75.2196, 0.3074, 0.3083



75.2196, 0.3375, 0.3468



75.2196, 0.2934, 0.3321

# Complementary

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



75.2196, 0.3074, 0.3083



84.9434, 0.3177, 0.3498

# Split Complementary

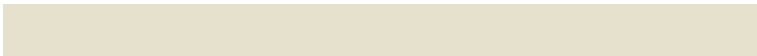
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.2196, 0.3043, 0.3435



75.2196, 0.3074, 0.3083



75.2196, 0.3298, 0.3519

# Square

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



75.2196, 0.3074, 0.3083



75.2196, 0.3384, 0.3371



75.2196, 0.3176, 0.3508



75.2196, 0.2877, 0.3201



# Rectangle

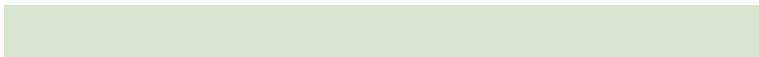
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.2196, 0.3074, 0.3083



75.2196, 0.3289, 0.3219



75.2196, 0.3176, 0.3508



75.2196, 0.2966, 0.3361

# Sweetspot

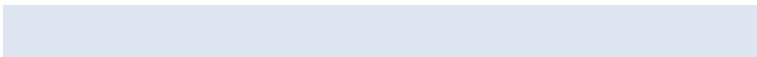
The Sweet Spot groups the original color and five complimentary colors.



75.2228, 0.3074, 0.3083



96.3550, 0.3115, 0.3241



78.5028, 0.2999, 0.3178



20.6621, 0.3116, 0.3244



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.



75.2228, 0.3074, 0.3083



82.6773, 0.3062, 0.3037



76.7291, 0.3141, 0.3094



15.6560, 0.3066, 0.3052



6.1941, 0.2122, 0.0942



0.5743, 0.2257, 0.1017



# Inverse Universe

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



76.1343, 0.3209, 0.3198



83.9273, 0.3228, 0.3177



83.5267, 0.3113, 0.3494



15.8775, 0.3222, 0.3184



10.7638, 0.5164, 0.2618

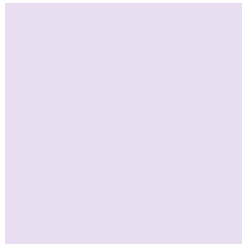


0.9152, 0.4841, 0.2441



# Previews

## White Background



This preview shows how the Yxy color 75.2196, 0.3074, 0.3083 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

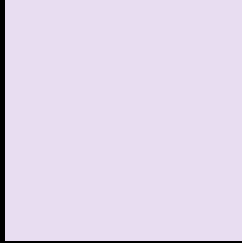
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.2196, 0.3074, 0.3083 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

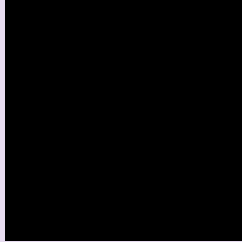
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

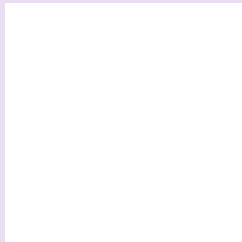
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.2196, 0.3074, 0.3083**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.2196, 0.3074, 0.3083.



This preview shows how white text looks on a background with the Yxy color 75.2196, 0.3074, 0.3083.

# 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

75.2196, 0.3074, 0.3083

### Protanopia

75.0335, 0.3013, 0.3090

### Deuteranopia

74.8444, 0.3124, 0.3055



## Tritanopia

75.1007, 0.3087, 0.3103

# Trichromacy



## Original Color

75.2196, 0.3074, 0.3083

## Protanomaly

74.9843, 0.3033, 0.3081

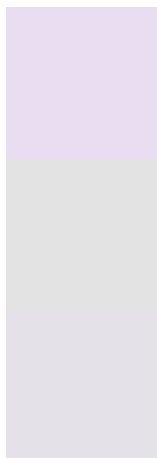
## Deuteranomaly

74.8468, 0.3103, 0.3063

## Tritanomaly

75.1600, 0.3081, 0.3093

# Monochromacy



## Original Color

75.2196, 0.3074, 0.3083

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

76.3346, 0.3110, 0.3216

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.2196, 0.3074, 0.3083 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(232, 221, 241)` looks like.

```
.text, #text, p{  
    color:rgb(232, 221, 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(232, 221, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 221, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 75.2196, 0.3074, 0.3083 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(232, 221, 241) }
```

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

```
.border{ border-color:rgb(232, 221, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 221, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 221, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 221, 241);  
box-shadow:4px 4px 4px 4px rgb(232, 221,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.2196, 0.3074, 0.3083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 221, 241) }
```

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

```
.background{ background-color: rgb(232,  
221, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor