

Converting Colors

$Yxy(75.9863, 0.2996, 0.3006)$

Have a look what the booklet for
Yxy(75.9863, 0.2996, 0.3006)
contains.

Yxy(75.8027, 0.2997, 0.3001)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(75.8027, 0.2997, 0.3001)

Conversions

Conversions Part 1

Format	Color
Hex	E5DEFA
RGB	229, 222, 250
RGB Percent	90%, 87%, 98%
CMY	0.1018, 0.1295, 0.0196
CMYK	0.08, 0.11, 0.00, 0.02
HSL	255°, 74%, 93%
HSV	255°, 11%, 98%
XYZ	75.7017, 75.8027, 101.0871
YIQ	227.2850, -4.8160, 10.1920

Conversions

Conversions Part 2

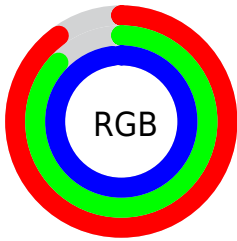
Format	Color
R _Y B	229, 222, 250
Decimal	15064826
CIE Lab	89.77, 7.58, -12.75
CIE LCh	90, 14.833, 300.729
Yxy	75.8027, 0.2997, 0.3001
Android (android.graphics.Color)	4293254906 (0xFFE5DEFA)
YUV	227.2850, 11.1985, 1.5041
Hunter-Lab	87.0647, 2.8401, -7.8937

Details

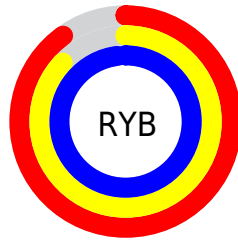
The Yxy color $75.8027, 0.2997, 0.3001$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $92.6927, 0.3248, 0.3571$, and the grayscale version is $76.9603, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $40.4167, 0.2958, 0.2931$ is the 20% darker color. If you saturate the color by 10%, you get $60.5833, 0.2862, 0.2714$, and if you desaturate by 10%, it is $93.3289, 0.3114, 0.3261$.

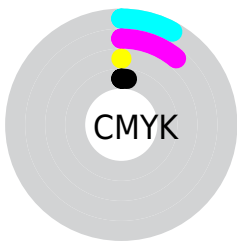
Distribution



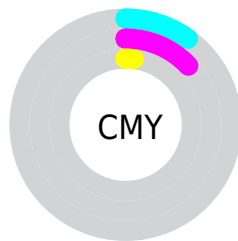
- Red (90%)
- Green (87%)
- Blue (98%)



- Red (90%)
- Yellow (87%)
- Blue (98%)



- Cyan (8%)
- Magenta (11%)
- Yellow (0%)
- Black (2%)



- Cyan (10%)
- Magenta (13%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8027, 0.2997, 0.3001 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 75.8027, 0.2997, 0.3001 by changing the saturation by 10% instead.

75.8027, 0.2997,
0.3001

75.8027, 0.2997,
0.3001

480.6720, 0.3057,
0.3132

56.2707, 0.2983,
0.2972

127.4480, 0.3018,
0.3046

40.4200, 0.2966,
0.2936

160.3301, 0.3026,
0.3063

27.8662, 0.2944,
0.2892

198.4310, 0.3033,
0.3078

18.2248, 0.2916,
0.2835

242.1352, 0.3039,
0.3092

11.1115, 0.2878,
0.2758

291.8270, 0.3045,
0.3103

6.1419, 0.2822,
0.2652

347.8908, 0.3049,

2.9316, 0.2737,

0.3114

0.2493

410.7110, 0.3054,
0.3123

■ 1.0961, 0.2586,
0.2232

■ 0.0000, 0.1568,
0.0000

■ 75.8027, 0.2997,
0.3001

■ 75.8027, 0.2997,
0.3001

■ 60.5833, 0.2862,
0.2714

■ 93.3289, 0.3114,
0.3261

■ 47.5642, 0.2710,
0.2402

■ 99.6825, 0.3156,
0.3338

■ 36.6449, 0.2542,
0.2074

■ 27.7133, 0.2362,
0.1742

■ 20.6463, 0.2180,
0.1424

■ 15.3072, 0.2004,
0.1141

■ 11.5396, 0.1847,
0.0914

■ 9.1575, 0.1718,
0.0756

■ 7.9595, 0.1633,
0.0673

Harmonies

Analogous

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



75.8027, 0.2859, 0.3004



75.8027, 0.2997, 0.3001



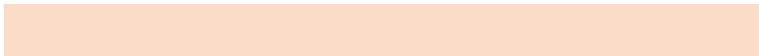
75.8027, 0.3173, 0.3070

Triad

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



75.8027, 0.2997, 0.3001



75.8027, 0.3473, 0.3485



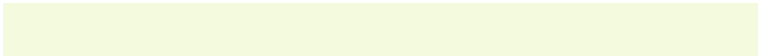
75.8027, 0.2915, 0.3386

Complementary

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



75.8027, 0.2997, 0.3001



92.6927, 0.3248, 0.3571

Split Complementary

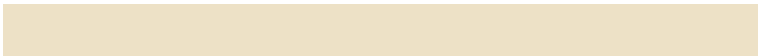
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.8027, 0.3074, 0.3526



75.8027, 0.2997, 0.3001



75.8027, 0.3398, 0.3580

Square

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



75.8027, 0.2997, 0.3001



75.8027, 0.3452, 0.3343



75.8027, 0.3251, 0.3597



75.8027, 0.2813, 0.3222

Rectangle

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



75.8027, 0.2997, 0.3001



75.8027, 0.3289, 0.3147



75.8027, 0.3251, 0.3597



75.8027, 0.2963, 0.3438

Sweetspot

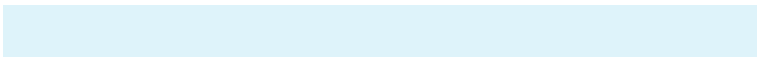
The Sweet Spot groups the original color and five complimentary colors.



75.8059, 0.2997, 0.3001



94.1467, 0.3094, 0.3216



86.5325, 0.2954, 0.3218



19.8246, 0.3085, 0.3196



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.



75.8059, 0.2997, 0.3001



76.2398, 0.2974, 0.2951



78.1945, 0.3092, 0.3009



16.8543, 0.3018, 0.3047



4.2788, 0.1646, 0.0680



0.4442, 0.1762, 0.0744

Inverse Universe

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



79.0298, 0.3186, 0.3082



80.1164, 0.3197, 0.3047



90.3048, 0.3158, 0.3579



17.4454, 0.3177, 0.3114



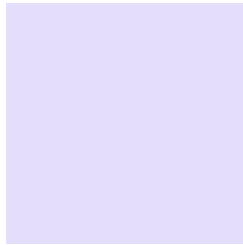
12.7078, 0.3971, 0.1961



1.1940, 0.3860, 0.1900

Previews

White Background



This preview shows how the Yxy color 75.8027, 0.2997, 0.3001 looks on a white background.

Color Contrast Check

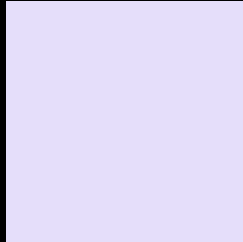
Large Text (above 18pt) WCAG AA × Fail

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 75.8027, 0.2997, 0.3001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

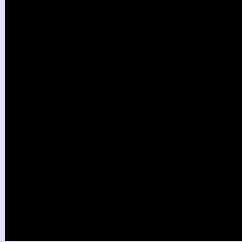
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.8027, 0.2997, 0.3001

Background



This preview shows how black text looks on a background with the Yxy color 75.8027, 0.2997, 0.3001.

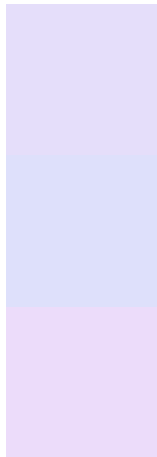


This preview shows how white text looks on a background with the Yxy color 75.8027, 0.2997, 0.3001.

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

75.8027, 0.2997, 0.3001

Protanopia

75.8059, 0.2944, 0.3008

Deuteranopia

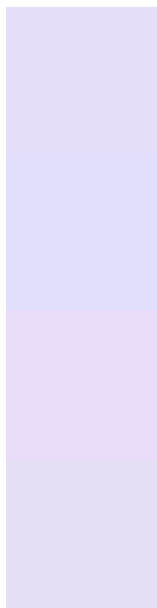
75.9214, 0.3044, 0.2985



Tritanopia

75.6202, 0.3046, 0.3102

Trichromacy



Original Color

75.8027, 0.2997, 0.3001

Protanomaly

75.7479, 0.2964, 0.2999

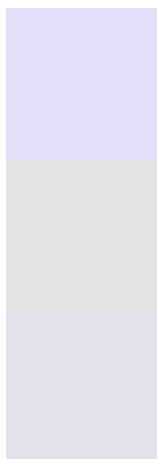
Deuteranomaly

75.9387, 0.3024, 0.2993

Tritanomaly

75.8010, 0.3027, 0.3071

Monochromacy



Original Color

75.8027, 0.2997, 0.3001

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.3426, 0.3084, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8027, 0.2997, 0.3001 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(229, 222, 250)` looks like.

```
.text, #text, p{  
    color:rgb(229, 222, 250)  
}
```

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(229, 222, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 222, 250) }
```

Border

The CSS property to change the border of an element to Yxy 75.8027, 0.2997, 0.3001 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(229, 222, 250) }
```

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

```
.border{ border-color:rgb(229, 222, 250) }
```

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

Here you see how a box with a 4 pixel rgb(229, 222, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 222, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 222, 250);  
box-shadow:4px 4px 4px 4px rgb(229, 222,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8027, 0.2997, 0.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 222, 250) }
```

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

```
.background{ background-color: rgb(229,  
222, 250) }
```

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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