

Converting Colors

$Yxy(77.5371, 0.3024, 0.3024)$

Have a look what the booklet for
Yxy(77.5371, 0.3024, 0.3024)
contains.

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Color

Yxy(77.5371, 0.3024, 0.3024)

Conversions

Conversions Part 1

Format	Color
Hex	E9E0FA
RGB	233, 224, 250
RGB Percent	91%, 88%, 98%
CMY	0.0859, 0.1217, 0.0196
CMYK	0.07, 0.10, 0.00, 0.02
HSL	261°, 72%, 93%
HSV	261°, 10%, 98%
XYZ	77.5371, 77.5371, 101.3316
YIQ	229.6550, -2.9820, 9.9940

Conversions

Conversions Part 2

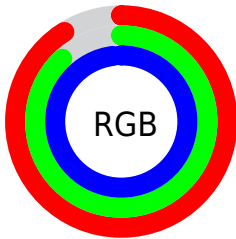
Format	Color
R _Y B	233, 224, 250
Decimal	15327482
CIE Lab	90.57, 7.84, -11.53
CIE LCh	91, 13.943, 304.236
Yxy	77.5371, 0.3024, 0.3024
Android (android.graphics.Color)	4293517562 (0xFFE9E0FA)
YUV	229.6550, 10.0301, 2.9336
Hunter-Lab	88.0552, 3.0819, -6.5908

Details

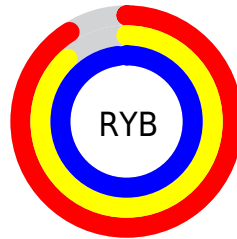
The Yxy color $77.5371, 0.3024, 0.3024$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $92.4440, 0.3223, 0.3552$, and the grayscale version is $78.7987, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.6181, 0.2993, 0.2961$ is the 20% darker color. If you saturate the color by 10%, you get $62.4648, 0.2909, 0.2743$, and if you desaturate by 10%, it is $94.8437, 0.3123, 0.3280$.

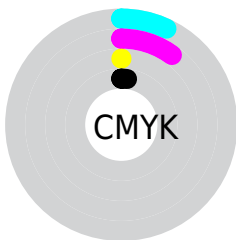
Distribution



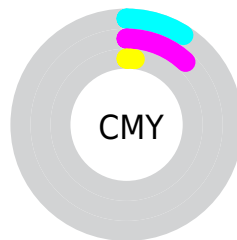
- Red (91%)
- Green (88%)
- Blue (98%)



- Red (91%)
- Yellow (88%)
- Blue (98%)



- Cyan (7%)
- Magenta (10%)
- Yellow (0%)
- Black (2%)



- Cyan (9%)
- Magenta (12%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.5371, 0.3024, 0.3024 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 77.5371, 0.3024, 0.3024 by changing the saturation by 10% instead.

77.5371, 0.3024,
0.3024

77.5371, 0.3024,
0.3024

486.5933, 0.3072,
0.3144

57.6938, 0.3013,
0.2997

129.8974, 0.3041,
0.3065

41.5625, 0.3000,
0.2965

163.1831, 0.3047,
0.3081

28.7589, 0.2982,
0.2924

201.7185, 0.3053,
0.3095

18.8985, 0.2960,
0.2872

245.8879, 0.3057,
0.3107

11.5970, 0.2930,
0.2803

296.0757, 0.3062,
0.3118

6.4699, 0.2886,
0.2707

352.6662, 0.3065,

3.1328, 0.2818,

0.3128

0.2563

416.0440, 0.3069,
0.3136

■ 1.2015, 0.2700,
0.2329

■ 0.0629, 0.2114,
0.0529

■ 77.5371, 0.3024,
0.3024

■ 77.5371, 0.3024,
0.3024

■ 62.4648, 0.2909,
0.2743

■ 94.8437, 0.3123,
0.3280

■ 49.5243, 0.2777,
0.2440

■ 99.6829, 0.3156,
0.3338

■ 38.6197, 0.2631,
0.2124

■ 29.6435, 0.2473,
0.1804

■ 22.4785, 0.2308,
0.1498

■ 16.9938, 0.2144,
0.1223

■ 13.0403, 0.1990,
0.0998

■ 10.4413, 0.1857,
0.0836

■ 8.9517, 0.1751,
0.0738

Harmonies

Analogous

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



77.5371, 0.2889, 0.3019



77.5371, 0.3024, 0.3024



77.5371, 0.3190, 0.3095

Triad

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



77.5371, 0.3024, 0.3024



77.5371, 0.3446, 0.3485



77.5371, 0.2914, 0.3362

Complementary

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



77.5371, 0.3024, 0.3024



92.4440, 0.3223, 0.3552

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.



77.5371, 0.3059, 0.3497



77.5371, 0.3024, 0.3024



77.5371, 0.3367, 0.3566

Square

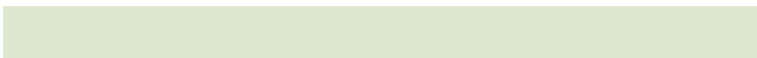
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.5371, 0.3024, 0.3024



77.5371, 0.3437, 0.3357



77.5371, 0.3225, 0.3573



77.5371, 0.2827, 0.3210

Rectangle

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



77.5371, 0.3024, 0.3024



77.5371, 0.3296, 0.3171



77.5371, 0.3225, 0.3573



77.5371, 0.2958, 0.3412

Sweetspot

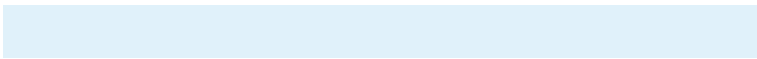
The Sweet Spot groups the original color and five complimentary colors.



77.5404, 0.3024, 0.3024



94.2847, 0.3099, 0.3216



85.8556, 0.2966, 0.3201



19.8617, 0.3091, 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.



77.5404, 0.3024, 0.3024



78.4267, 0.3007, 0.2981



79.7362, 0.3109, 0.3031



16.9383, 0.3034, 0.3049



4.8199, 0.1767, 0.0747



0.5030, 0.1896, 0.0818

Inverse Universe

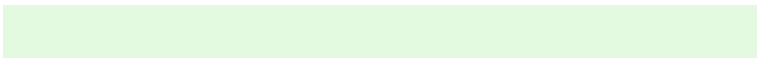
The Inverse Universe completely reimagines the original color for something new.



79.9709, 0.3199, 0.3122



81.3362, 0.3211, 0.3095



90.3058, 0.3142, 0.3558



17.4154, 0.3192, 0.3137



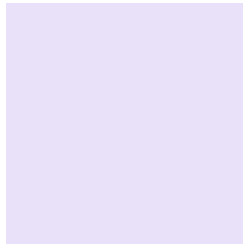
12.2027, 0.4340, 0.2165



1.1502, 0.4170, 0.2071

Previews

White Background



This preview shows how the Yxy color 77.5371, 0.3024, 0.3024 looks on a white background.

Color Contrast Check

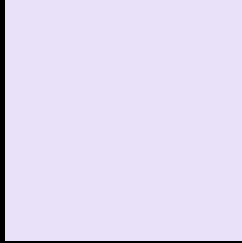
Large Text (above 18pt) WCAG AA × Fail

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 77.5371, 0.3024, 0.3024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

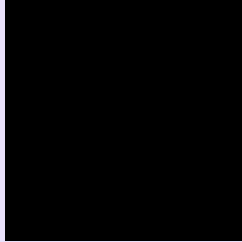
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.5371, 0.3024, 0.3024

Background



This preview shows how black text looks on a background with the Yxy color 77.5371, 0.3024, 0.3024.

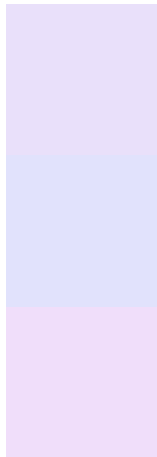


This preview shows how white text looks on a background with the Yxy color 77.5371, 0.3024, 0.3024.

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

77.5371, 0.3024, 0.3024

Protanopia

77.4285, 0.2958, 0.3021

Deuteranopia

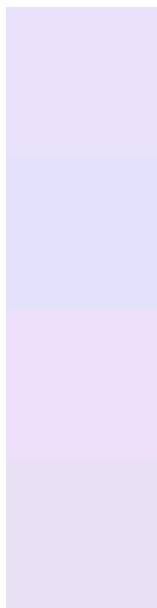
77.6699, 0.3071, 0.3008



Tritanopia

77.4773, 0.3060, 0.3104

Trichromacy



Original Color

77.5371, 0.3024, 0.3024

Protanomaly

77.3094, 0.2984, 0.3022

Deuteranomaly

77.6820, 0.3051, 0.3016

Tritanomaly

77.6601, 0.3042, 0.3074

Monochromacy



Original Color

77.5371, 0.3024, 0.3024

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

78.5902, 0.3091, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5371, 0.3024, 0.3024 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, 224, 250)` looks like.

```
.text, #text, p{  
    color:rgb(233, 224, 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(233, 224, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 224, 250) }
```

Border

The CSS property to change the border of an element to Yxy 77.5371, 0.3024, 0.3024 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, 224, 250) }
```

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

```
.border{ border-color:rgb(233, 224, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 224, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 224, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 224, 250);  
box-shadow:4px 4px 4px 4px rgb(233, 224,  
250) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 77.5371, 0.3024, 0.3024$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 224, 250) }
```

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

```
.background{ background-color: rgb(233,  
224, 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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