

Converting Colors

$Yxy(78.5404, 0.3040, 0.3032)$

Have a look what the booklet for
Yxy(78.5404, 0.3040, 0.3032)
contains.

Yxy(78.5854, 0.3044, 0.3036)	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(78.5854, 0.3044, 0.3036)

Conversions

Conversions Part 1

Format	Color
Hex	ECE1FA
RGB	236, 225, 250
RGB Percent	93%, 88%, 98%
CMY	0.0742, 0.1177, 0.0196
CMYK	0.06, 0.10, 0.00, 0.02
HSL	267°, 72%, 93%
HSV	267°, 10%, 98%
XYZ	78.7925, 78.5854, 101.4673
YIQ	231.1390, -1.4690, 10.1070

Conversions

Conversions Part 2

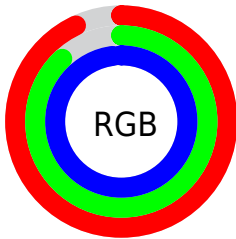
Format	Color
R _Y B	236, 225, 250
Decimal	15524346
CIE Lab	91.05, 8.29, -10.79
CIE LCh	91, 13.607, 307.540
Yxy	78.5854, 0.3044, 0.3036
Android (android.graphics.Color)	4293714426 (0xFFECE1FA)
YUV	231.1390, 9.2985, 4.2631
Hunter-Lab	88.6484, 3.5197, -5.8097

Details

The Yxy color **78.5854, 0.3044, 0.3036** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **92.1503, 0.3204, 0.3543**, and the grayscale version is **79.9595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.3478, 0.3019, 0.2977** is the 20% darker color. If you saturate the color by 10%, you get **63.7564, 0.2947, 0.2760**, and if you desaturate by 10%, it is **95.5858, 0.3127, 0.3290**.

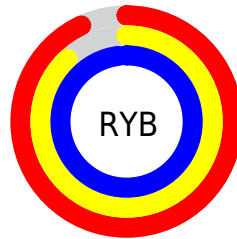
Distribution



Red (93%)

Green (88%)

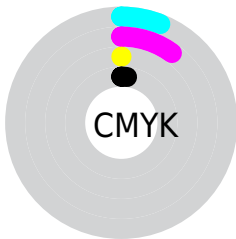
Blue (98%)



Red (93%)

Yellow (88%)

Blue (98%)

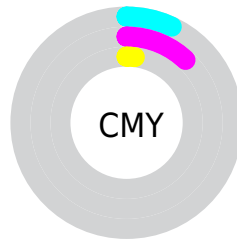


Cyan (6%)

Magenta (10%)

Yellow (0%)

Black (2%)



Cyan (7%)


Magenta (12%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.5854, 0.3044, 0.3036 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 78.5854, 0.3044, 0.3036 by changing the saturation by 10% instead.


 78.5854, 0.3044,
0.3036

 78.5854, 0.3044,
0.3036


490.1526, 0.3083,
0.3150

 58.5550, 0.3035,
0.3011


131.3750, 0.3057,
0.3075

 42.2550, 0.3024,
0.2980


164.9030, 0.3063,
0.3090

 29.3010, 0.3010,
0.2941


203.6990, 0.3067,
0.3104

 19.3086, 0.2992,
0.2892

248.1474, 0.3071,
0.3115

 11.8935, 0.2968,
0.2827

298.6326, 0.3074,
0.3125

 6.6712, 0.2932,
0.2736

355.5389, 0.3078,

 3.2573, 0.2877,

0.3135

0.2600

419.2508, 0.3080,
0.3143

■ 1.2675, 0.2780,
0.2380

■ 0.1158, 0.2388,
0.0885

■ 78.5854, 0.3044,
0.3036

■ 78.5854, 0.3044,
0.3036

■ 63.7564, 0.2947,
0.2760

■ 95.5858, 0.3127,
0.3290

■ 50.9989, 0.2836,
0.2465

■ 99.6829, 0.3156,
0.3338

■ 40.2201, 0.2711,
0.2159

■ 31.3156, 0.2574,
0.1853

■ 24.1718, 0.2429,
0.1560

■ 18.6615, 0.2283,
0.1298

■ 14.6404, 0.2141,
0.1081

■ 11.9365, 0.2012,
0.0923

■ 10.2713, 0.1900,
0.0820

Harmonies

Analogous

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



78.5854, 0.2908, 0.3024



78.5854, 0.3044, 0.3036



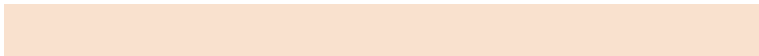
78.5854, 0.3206, 0.3112

Triad

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



78.5854, 0.3044, 0.3036



78.5854, 0.3432, 0.3492



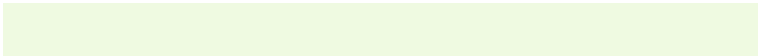
78.5854, 0.2908, 0.3344

Complementary

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



78.5854, 0.3044, 0.3036



92.1503, 0.3204, 0.3543

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.



78.5854, 0.3044, 0.3479



78.5854, 0.3044, 0.3036



78.5854, 0.3347, 0.3563

Square

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



78.5854, 0.3044, 0.3036



78.5854, 0.3433, 0.3370



78.5854, 0.3205, 0.3560



78.5854, 0.2831, 0.3197

Rectangle

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



78.5854, 0.3044, 0.3036



78.5854, 0.3307, 0.3189



78.5854, 0.3205, 0.3560



78.5854, 0.2948, 0.3393

Sweetspot

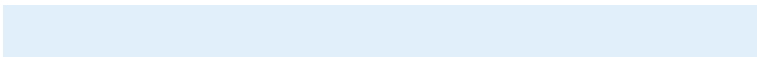
The Sweet Spot groups the original color and five complimentary colors.



78.5887, 0.3044, 0.3036



94.4170, 0.3104, 0.3216



84.7371, 0.2972, 0.3179



19.8974, 0.3097, 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.



78.5887, 0.3044, 0.3036



78.9176, 0.3026, 0.2983



80.7621, 0.3127, 0.3043



17.0195, 0.3049, 0.3050



5.5298, 0.1916, 0.0829



0.5739, 0.2048, 0.0902

Inverse Universe

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



80.3931, 0.3211, 0.3151



81.1635, 0.3230, 0.3123



90.0881, 0.3126, 0.3549



17.3870, 0.3206, 0.3159



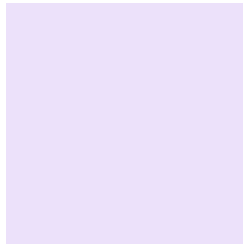
11.8015, 0.4723, 0.2375



1.1144, 0.4491, 0.2248

Previews

White Background



This preview shows how the Yxy color 78.5854, 0.3044, 0.3036 looks on a white background.

Color Contrast Check

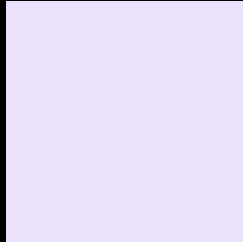
Large Text (above 18pt) WCAG AA × Fail

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 78.5854, 0.3044, 0.3036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

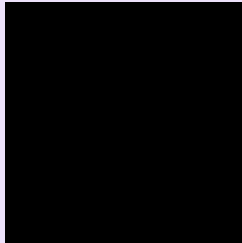
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

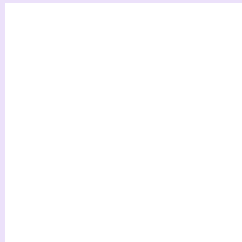
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.5854, 0.3044, 0.3036

Background



This preview shows how black text looks on a background with the Yxy color 78.5854, 0.3044, 0.3036.

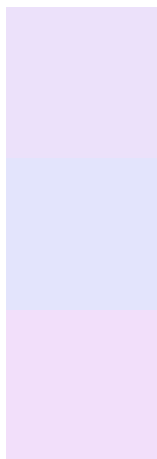


This preview shows how white text looks on a background with the Yxy color 78.5854, 0.3044, 0.3036.

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

78.5854, 0.3044, 0.3036

Protanopia

78.8460, 0.2972, 0.3043

Deuteranopia

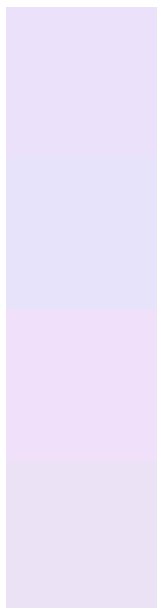
78.5547, 0.3085, 0.3019



Tritanopia

78.5865, 0.3074, 0.3106

Trichromacy



Original Color

78.5854, 0.3044, 0.3036

Protanomaly

78.7262, 0.2997, 0.3044

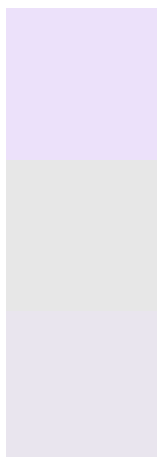
Deuteranomaly

78.7387, 0.3071, 0.3028

Tritanomaly

78.7087, 0.3062, 0.3086

Monochromacy



Original Color

78.5854, 0.3044, 0.3036

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.5353, 0.3097, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5854, 0.3044, 0.3036 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(236, 225, 250)` looks like.

```
.text, #text, p{  
    color:rgb(236, 225, 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(236, 225, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 225, 250) }
```

Border

The CSS property to change the border of an element to Yxy 78.5854, 0.3044, 0.3036 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(236, 225, 250) }
```

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

```
.border{ border-color:rgb(236, 225, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 225, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 225, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 225, 250);  
box-shadow:4px 4px 4px 4px rgb(236, 225,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5854, 0.3044, 0.3036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 225, 250) }
```

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

```
.background{ background-color: rgb(236,  
225, 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](#).

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