

Converting Colors

Yxy(78.4699, 0.3021, 0.3043)

Have a look what the booklet for
Yxy(78.4699, 0.3021, 0.3043)
contains.

Yxy(78.6185, 0.3023, 0.3045)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.6185, 0.3023, 0.3045)

Conversions

Conversions Part 1

Format	Color
Hex	E9E2FA
RGB	233, 226, 250
RGB Percent	91%, 89%, 98%
CMY	0.0864, 0.1137, 0.0195
CMYK	0.07, 0.10, 0.00, 0.02
HSL	257°, 71%, 93%
HSV	257°, 10%, 98%
XYZ	78.0505, 78.6185, 101.5198
YIQ	230.8290, -3.5320, 8.9480

Conversions

Conversions Part 2

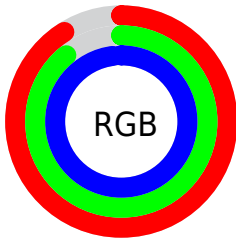
Format	Color
R_{YB}	233, 226, 250
Decimal	15327994
CIE _{Lab}	91.06, 6.75, -10.80
CIE _{LCh}	91, 12.732, 302.002
Yxy	78.6185, 0.3023, 0.3045
Android (android.graphics.Color)	4293518074 (0xFFE9E2FA)
YUV	230.8290, 9.4513, 1.9040
Hunter-Lab	88.6671, 1.9598, -5.8175

Details

The Yxy color **78.6185, 0.3023, 0.3045** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92.9424, 0.3225, 0.3530**, and the grayscale version is **79.7076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.3680, 0.2993, 0.2988** is the 20% darker color. If you saturate the color by 10%, you get **63.1610, 0.2898, 0.2763**, and if you desaturate by 10%, it is **96.3661, 0.3131, 0.3300**.

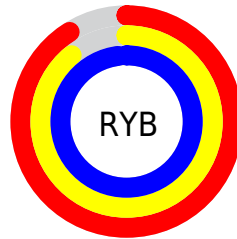
Distribution



Red (91%)

Green (89%)

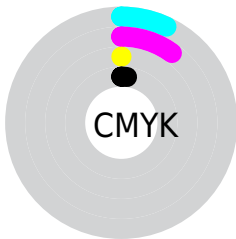
Blue (98%)



Red (91%)

Yellow (89%)

Blue (98%)

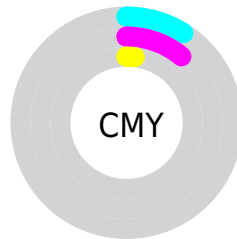


Cyan (7%)

Magenta (10%)

Yellow (0%)

Black (2%)



Cyan (9%)


Magenta (11%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6185, 0.3023, 0.3045 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 78.6185, 0.3023, 0.3045 by changing the saturation by 10% instead.


 78.6185, 0.3023,
0.3045

 78.6185, 0.3023,
0.3045


490.2648, 0.3071,
0.3155

 58.5822, 0.3012,
0.3021


131.4216, 0.3040,
0.3083

 42.2769, 0.2999,
0.2991


164.9573, 0.3046,
0.3097

 29.3182, 0.2982,
0.2953


203.7615, 0.3052,
0.3110

 19.3216, 0.2959,
0.2905

248.2186, 0.3057,
0.3122

 11.9029, 0.2929,
0.2842

298.7132, 0.3061,
0.3131

 6.6776, 0.2887,
0.2753

355.6294, 0.3065,

 3.2613, 0.2820,

0.3140

0.2621

419.3518, 0.3068,
0.3148

■ 1.2696, 0.2706,
0.2405

■ 0.1175, 0.2165,
0.0920

■ 78.6185, 0.3023,
0.3045

■ 78.6185, 0.3023,
0.3045

■ 63.1610, 0.2898,
0.2763

■ 96.3661, 0.3131,
0.3300

■ 49.8892, 0.2756,
0.2458

■ 99.6835, 0.3156,
0.3338

■ 38.7056, 0.2598,
0.2136

■ 29.5011, 0.2427,
0.1808

■ 22.1567, 0.2251,
0.1491

■ 16.5400, 0.2078,
0.1206

■ 12.5008, 0.1919,
0.0971

■ 9.8613, 0.1783,
0.0802

■ 8.3472, 0.1678,
0.0699

Harmonies

Analogous

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



78.6185, 0.2903, 0.3046



78.6185, 0.3023, 0.3045



78.6185, 0.3173, 0.3106

Triad

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



78.6185, 0.3023, 0.3045



78.6185, 0.3419, 0.3461



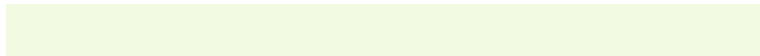
78.6185, 0.2942, 0.3366

Complementary

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



78.6185, 0.3023, 0.3045



92.9424, 0.3225, 0.3530

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.



78.6185, 0.3076, 0.3485



78.6185, 0.3023, 0.3045



78.6185, 0.3353, 0.3538

Square

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



78.6185, 0.3023, 0.3045



78.6185, 0.3404, 0.3342



78.6185, 0.3227, 0.3548



78.6185, 0.2858, 0.3228

Rectangle

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



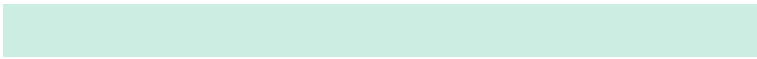
78.6185, 0.3023, 0.3045



78.6185, 0.3270, 0.3174



78.6185, 0.3227, 0.3548



78.6185, 0.2983, 0.3410

Sweetspot

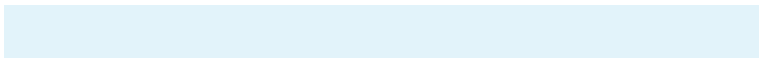
The Sweet Spot groups the original color and five complimentary colors.



78.6218, 0.3023, 0.3045



94.1998, 0.3096, 0.3216



87.3066, 0.2978, 0.3220



19.8389, 0.3088, 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.



78.6218, 0.3023, 0.3045



78.1150, 0.2994, 0.2980



80.6834, 0.3103, 0.3051



16.8866, 0.3024, 0.3048



4.4641, 0.1688, 0.0704



0.4651, 0.1810, 0.0771

Inverse Universe

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



81.2028, 0.3183, 0.3121



81.4486, 0.3199, 0.3077



90.9008, 0.3149, 0.3536



17.4338, 0.3183, 0.3123



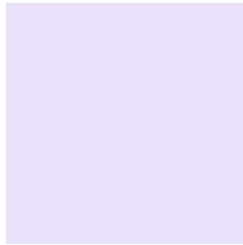
12.5025, 0.4109, 0.2037



1.1763, 0.3976, 0.1964

Previews

White Background



This preview shows how the Yxy color 78.6185, 0.3023, 0.3045 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 78.6185, 0.3023, 0.3045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

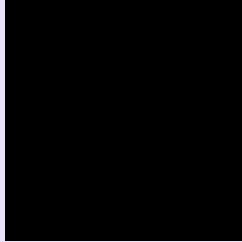
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.6185, 0.3023, 0.3045

Background



This preview shows how black text looks on a background with the Yxy color 78.6185, 0.3023, 0.3045.

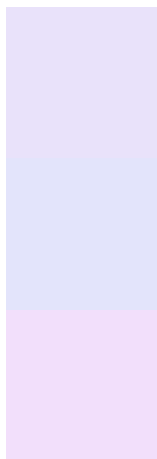


This preview shows how white text looks on a background with the Yxy color 78.6185, 0.3023, 0.3045.

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

78.6185, 0.3023, 0.3045

Protanopia

78.7827, 0.2978, 0.3053

Deuteranopia

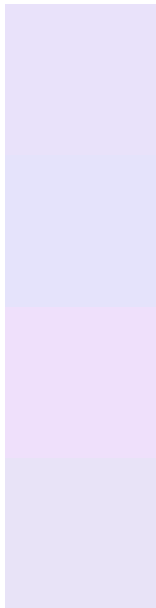
78.6176, 0.3078, 0.3009



Tritanopia

78.6865, 0.3047, 0.3105

Trichromacy



Original Color

78.6185, 0.3023, 0.3045

Protanomaly

78.5612, 0.2991, 0.3044

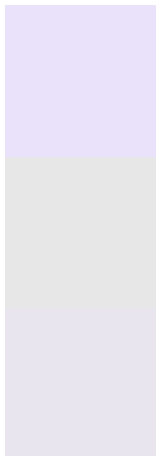
Deuteranomaly

78.6271, 0.3058, 0.3018

Tritanomaly

78.8094, 0.3035, 0.3085

Monochromacy



Original Color

78.6185, 0.3023, 0.3045

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.3675, 0.3091, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6185, 0.3023, 0.3045 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, 226, 250)` looks like.

```
.text, #text, p{  
    color:rgb(233, 226, 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, 226, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 226, 250) }
```

Border

The CSS property to change the border of an element to Yxy 78.6185, 0.3023, 0.3045 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, 226, 250) }
```

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

```
.border{ border-color:rgb(233, 226, 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, 226, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 226, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 226, 250);  
box-shadow:4px 4px 4px 4px rgb(233, 226,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6185, 0.3023, 0.3045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 226, 250) }
```

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

```
.background{ background-color: rgb(233,  
226, 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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