

Converting Colors

$Y_{xy}(77.6273, 0.3019, 0.3093)$

Have a look what the booklet for
Yxy(77.6273, 0.3019, 0.3093)
contains.

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Color

Yxy(77.4793, 0.3021, 0.3093)

Conversions

Conversions Part 1

Format	Color
Hex	E4E2F5
RGB	228, 226, 245
RGB Percent	89%, 89%, 96%
CMY	0.1058, 0.1137, 0.0393
CMYK	0.07, 0.08, 0.00, 0.04
HSL	246°, 49%, 92%
HSV	246°, 8%, 96%
XYZ	75.6757, 77.4793, 97.3439
YIQ	228.7640, -4.9070, 6.3330

Conversions

Conversions Part 2

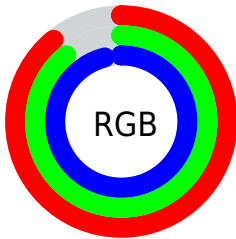
Format	Color
R _Y B	228, 226, 245
Decimal	15000309
CIE Lab	90.54, 4.19, -8.98
CIE LCh	91, 9.906, 295.019
Yxy	77.4793, 0.3021, 0.3093
Android (android.graphics.Color)	4293190389 (0xFFE4E2F5)
YUV	228.7640, 8.0043, -0.6700
Hunter-Lab	88.0223, -0.5767, -3.9532

Details

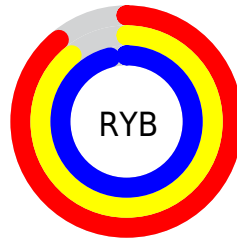
The Yxy color **77.4793, 0.3021, 0.3093** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **89.8397, 0.3229, 0.3481**, and the grayscale version is **78.1185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6842, 0.2998, 0.3049** is the 20% darker color. If you saturate the color by 10%, you get **61.7396, 0.2866, 0.2810**, and if you desaturate by 10%, it is **95.5826, 0.3156, 0.3344**.

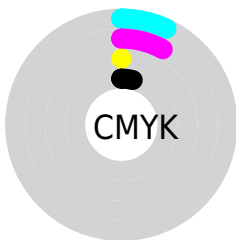
Distribution



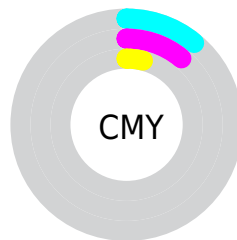
- Red (89%)
- Green (89%)
- Blue (96%)



- Red (89%)
- Yellow (89%)
- Blue (96%)



- Cyan (7%)
- Magenta (8%)
- Yellow (0%)
- Black (4%)



- Cyan (11%)
- Magenta (11%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4793, 0.3021, 0.3093 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 77.4793, 0.3021, 0.3093 by changing the saturation by 10% instead.

■ 77.4793, 0.3021,
0.3093

■ 77.4793, 0.3021,
0.3093

486.3967, 0.3070,
0.3182

■ 57.6463, 0.3010,
0.3073

129.8158, 0.3038,
0.3124

■ 41.5244, 0.2996,
0.3049

163.0882, 0.3044,
0.3136

■ 28.7291, 0.2979,
0.3018

201.6092, 0.3050,
0.3146

■ 18.8760, 0.2957,
0.2978

245.7631, 0.3055,
0.3155

■ 11.5807, 0.2926,
0.2925

295.9344, 0.3059,
0.3163

■ 6.4588, 0.2883,
0.2851

352.5075, 0.3063,

■ 3.1260, 0.2816,

0.3170

0.2738

415.8668, 0.3067,
0.3177

■ 1.1979, 0.2699,
0.2550

■ 0.0600, 0.1746,
0.0658

■ 77.4793, 0.3021,
0.3093

■ 77.4793, 0.3021,
0.3093

■ 61.7396, 0.2866,
0.2810

■ 95.5826, 0.3156,
0.3344

■ 48.2565, 0.2692,
0.2497

■ 99.3720, 0.3185,
0.3386

■ 36.9293, 0.2501,
0.2160

■ 27.6458, 0.2299,
0.1812

■ 20.2837, 0.2096,
0.1470

■ 14.7075, 0.1906,
0.1160

■ 10.7642, 0.1742,
0.0906

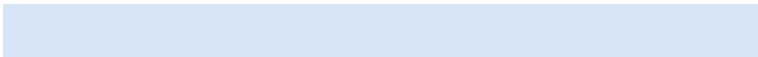
■ 8.2743, 0.1619,
0.0728

■ 7.0025, 0.1542,
0.0631

Harmonies

Analogous

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



77.4793, 0.2936, 0.3106



77.4793, 0.3021, 0.3093



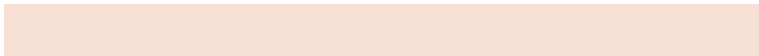
77.4793, 0.3136, 0.3130

Triad

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



77.4793, 0.3021, 0.3093



77.4793, 0.3358, 0.3405



77.4793, 0.3004, 0.3374

Complementary

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



77.4793, 0.3021, 0.3093



89.8397, 0.3229, 0.3481

Split Complementary

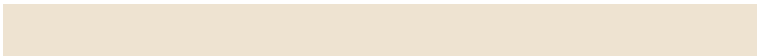
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.4793, 0.3115, 0.3458



77.4793, 0.3021, 0.3093



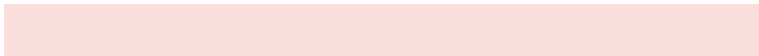
77.4793, 0.3321, 0.3474

Square

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



77.4793, 0.3021, 0.3093



77.4793, 0.3332, 0.3308



77.4793, 0.3231, 0.3495



77.4793, 0.2927, 0.3267

Rectangle

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



77.4793, 0.3021, 0.3093



77.4793, 0.3214, 0.3178



77.4793, 0.3231, 0.3495



77.4793, 0.3039, 0.3406

Sweetspot

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



77.4826, 0.3021, 0.3093



95.9349, 0.3101, 0.3241



86.9169, 0.3007, 0.3270



20.5766, 0.3102, 0.3243



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.



77.4826, 0.3021, 0.3093



82.5369, 0.3003, 0.3059



79.0578, 0.3084, 0.3097



16.0110, 0.2996, 0.3046



3.6981, 0.1537, 0.0620



0.3524, 0.1612, 0.0662

Inverse Universe

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



80.2734, 0.3149, 0.3120



86.0652, 0.3153, 0.3092



88.2144, 0.3167, 0.3485



16.7361, 0.3154, 0.3081



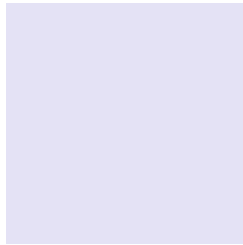
13.2241, 0.3497, 0.1700



1.1708, 0.3456, 0.1677

Previews

White Background



This preview shows how the Yxy color 77.4793, 0.3021, 0.3093 looks on a white background.

Color Contrast Check

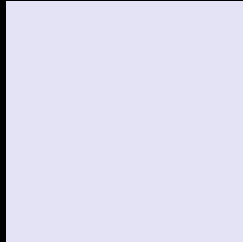
Large Text (above 18pt) WCAG AA × Fail

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 77.4793, 0.3021, 0.3093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

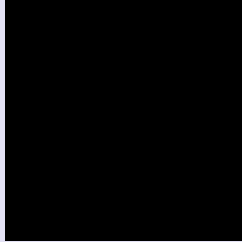
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

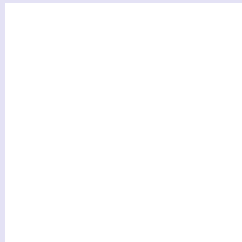
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.4793, 0.3021, 0.3093

Background



This preview shows how black text looks on a background with the Yxy color 77.4793, 0.3021, 0.3093.

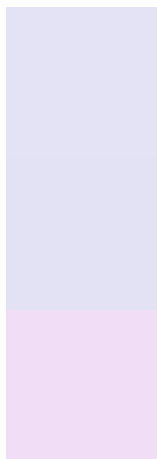


This preview shows how white text looks on a background with the Yxy color 77.4793, 0.3021, 0.3093.

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

77.4793, 0.3021, 0.3093

Protanopia

77.3162, 0.3014, 0.3093

Deuteranopia

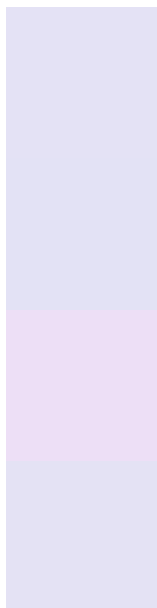
77.2440, 0.3111, 0.3038



Tritanopia

77.4183, 0.3027, 0.3103

Trichromacy



Original Color

77.4793, 0.3021, 0.3093

Protanomaly

77.3162, 0.3014, 0.3093

Deuteranomaly

77.4337, 0.3076, 0.3056

Tritanomaly

77.4183, 0.3027, 0.3103

Monochromacy



Original Color

77.4793, 0.3021, 0.3093

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.1430, 0.3090, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4793, 0.3021, 0.3093 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(228, 226, 245)` looks like.

```
.text, #text, p{  
    color:rgb(228, 226, 245)  
}
```

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(228, 226, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 226, 245) }
```

Border

The CSS property to change the border of an element to Yxy 77.4793, 0.3021, 0.3093 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(228, 226, 245) }
```

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

```
.border{ border-color:rgb(228, 226, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 226, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 226, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 226, 245);  
box-shadow:4px 4px 4px 4px rgb(228, 226,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4793, 0.3021, 0.3093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 226, 245) }
```

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

```
.background{ background-color: rgb(228,  
226, 245) }
```

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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