

Converting Colors

$Yxy(79.6731, 0.3053, 0.3167)$

Have a look what the booklet for
Yxy(79.6731, 0.3053, 0.3167)
contains.

Yxy(79.8274, 0.3052, 0.3166)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.8274, 0.3052, 0.3166)

Conversions

Conversions Part 1

Format	Color
Hex	E6E6F2
RGB	230, 230, 242
RGB Percent	90%, 90%, 95%
CMY	0.0981, 0.0980, 0.0510
CMYK	0.05, 0.05, 0.00, 0.05
HSL	240°, 32%, 93%
HSV	240°, 5%, 95%
XYZ	76.9530, 79.8274, 95.3592
YIQ	231.3680, -3.8520, 3.7320

Conversions

Conversions Part 2

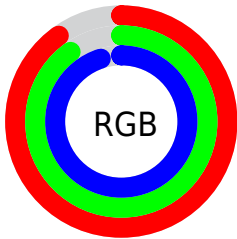
Format	Color
R _Y B	230, 230, 242
Decimal	15132402
CIE Lab	91.61, 2.19, -5.82
CIE LCh	92, 6.219, 290.611
Yxy	79.8274, 0.3052, 0.3166
Android (android.graphics.Color)	4293322482 (0xFFE6E6F2)
YUV	231.3680, 5.2416, -1.1997
Hunter-Lab	89.3462, -2.6155, -0.7379

Details

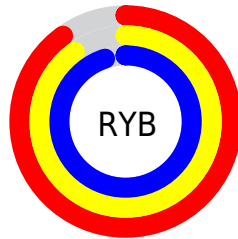
The Yxy color **79.8274, 0.3052, 0.3166** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.0815, 0.3201, 0.3411**, and the grayscale version is **80.1623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.3191, 0.3039, 0.3144** is the 20% darker color. If you saturate the color by 10%, you get **63.5788, 0.2885, 0.2890**, and if you desaturate by 10%, it is **98.5001, 0.3198, 0.3407**.

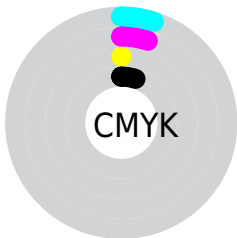
Distribution



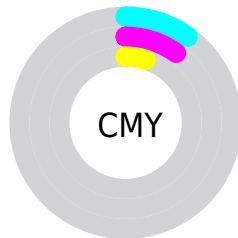
- Red (90%)
- Green (90%)
- Blue (95%)



- Red (90%)
- Yellow (90%)
- Blue (95%)



- Cyan (5%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)



- Cyan (10%)
- Magenta (10%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.8274, 0.3052, 0.3166 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 79.8274, 0.3052, 0.3166 by changing the saturation by 10% instead.

■ 79.8274, 0.3052,
0.3166

■ 79.8274, 0.3052,
0.3166

494.3510, 0.3086,
0.3222

■ 59.5763, 0.3044,
0.3153

133.1230, 0.3064,
0.3185

■ 43.0772, 0.3035,
0.3138

166.9364, 0.3068,
0.3193

■ 29.9457, 0.3023,
0.3119

206.0393, 0.3072,
0.3199

■ 19.7974, 0.3007,
0.3094

250.8162, 0.3076,
0.3205

■ 12.2479, 0.2986,
0.3060

301.6514, 0.3079,
0.3210

■ 6.9127, 0.2957,
0.3013

358.9293, 0.3082,

■ 3.4076, 0.2911,

0.3215

0.2942

423.0344, 0.3084,
0.3219

■ 1.3480, 0.2833,
0.2822

■ 0.1779, 0.2223,
0.1777

■ 79.8274, 0.3052,
0.3166

■ 79.8274, 0.3052,
0.3166

■ 63.5788, 0.2885,
0.2890

■ 98.5001, 0.3198,
0.3407

■ 49.6454, 0.2697,
0.2580

■ 99.1911, 0.3203,
0.3415

■ 37.9249, 0.2492,
0.2242

■ 28.3036, 0.2276,
0.1885

■ 20.6574, 0.2061,
0.1530

■ 14.8495, 0.1863,
0.1202

■ 10.7255, 0.1698,
0.0930

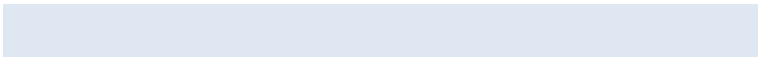
■ 8.1060, 0.1581,
0.0736

■ 6.7705, 0.1518,
0.0630

Harmonies

Analogous

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



79.8274, 0.3003, 0.3180



79.8274, 0.3052, 0.3166



79.8274, 0.3122, 0.3185

Triad

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



79.8274, 0.3052, 0.3166



79.8274, 0.3270, 0.3354



79.8274, 0.3060, 0.3351

Complementary

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



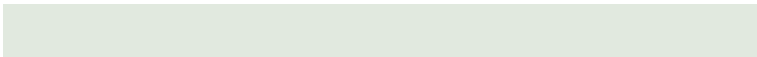
79.8274, 0.3052, 0.3166



88.0815, 0.3201, 0.3411

Split Complementary

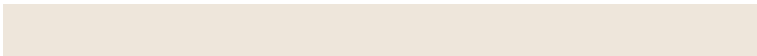
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.8274, 0.3131, 0.3399



79.8274, 0.3052, 0.3166



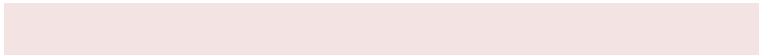
79.8274, 0.3253, 0.3400

Square

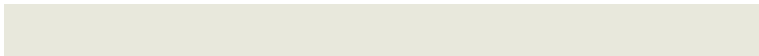
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.8274, 0.3052, 0.3166



79.8274, 0.3248, 0.3292



79.8274, 0.3202, 0.3417



79.8274, 0.3007, 0.3286

Rectangle

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



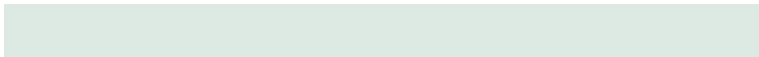
79.8274, 0.3052, 0.3166



79.8274, 0.3171, 0.3213



79.8274, 0.3202, 0.3417



79.8274, 0.3083, 0.3370

Sweetspot

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



79.8308, 0.3052, 0.3166



97.9069, 0.3112, 0.3266



86.7264, 0.3051, 0.3292



20.9782, 0.3113, 0.3267



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.



79.8308, 0.3052, 0.3166



87.8564, 0.3035, 0.3139



80.7933, 0.3091, 0.3167



16.2356, 0.3026, 0.3123



3.4528, 0.1501, 0.0601



0.2892, 0.1502, 0.0605

Inverse Universe

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



81.1764, 0.3210, 0.3290



89.6791, 0.3228, 0.3290



87.0855, 0.3162, 0.3413



16.6103, 0.3240, 0.3290



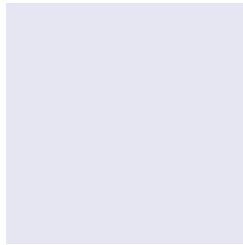
10.1419, 0.6398, 0.3298



0.8439, 0.6392, 0.3295

Previews

White Background



This preview shows how the Yxy color 79.8274, 0.3052, 0.3166 looks on a white background.

Color Contrast Check

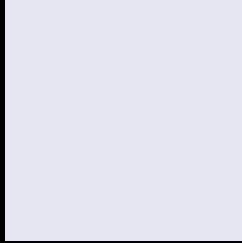
Large Text (above 18pt) WCAG AA × Fail

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 79.8274, 0.3052, 0.3166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

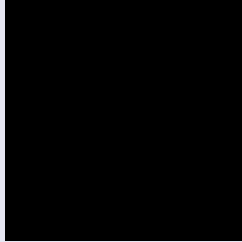
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

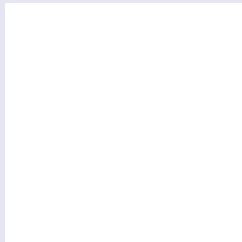
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.8274, 0.3052, 0.3166

Background



This preview shows how black text looks on a background with the Yxy color 79.8274, 0.3052, 0.3166.

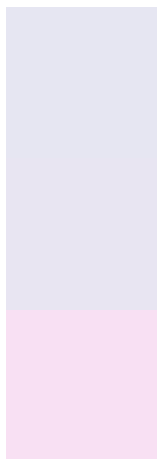


This preview shows how white text looks on a background with the Yxy color 79.8274, 0.3052, 0.3166.

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

79.8274, 0.3052, 0.3166

Protanopia

79.6052, 0.3066, 0.3156

Deuteranopia

79.7388, 0.3171, 0.3101



Tritanopia

79.7429, 0.3028, 0.3105

Trichromacy



Original Color

79.8274, 0.3052, 0.3166

Protanomaly

79.4384, 0.3059, 0.3156

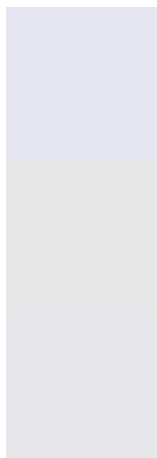
Deuteranomaly

79.5645, 0.3121, 0.3118

Tritanomaly

79.6201, 0.3040, 0.3125

Monochromacy



Original Color

79.8274, 0.3052, 0.3166

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.1389, 0.3102, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8274, 0.3052, 0.3166 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(230, 230, 242)` looks like.

```
.text, #text, p{  
    color:rgb(230, 230, 242)  
}
```

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(230, 230, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 230, 242) }
```

Border

The CSS property to change the border of an element to Yxy 79.8274, 0.3052, 0.3166 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(230, 230, 242) }
```

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

```
.border{ border-color:rgb(230, 230, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 230, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 230, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 230, 242);  
box-shadow:4px 4px 4px 4px rgb(230, 230,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8274, 0.3052, 0.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 230, 242) }
```

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

```
.background{ background-color: rgb(230,  
230, 242) }
```

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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