

Converting Colors

$Yxy(78.5777, 0.3073, 0.3166)$

Have a look what the booklet for
Yxy(78.5777, 0.3073, 0.3166)
contains.

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Color

Yxy(78.7670, 0.3072, 0.3166)

Conversions

Conversions Part 1

Format	Color
Hex	E7E4F0
RGB	231, 228, 240
RGB Percent	91%, 89%, 94%
CMY	0.0940, 0.1059, 0.0589
CMYK	0.04, 0.05, 0.00, 0.06
HSL	255°, 28%, 92%
HSV	255°, 5%, 94%
XYZ	76.4284, 78.7670, 93.5949
YIQ	230.2650, -2.0640, 4.3680

Conversions

Conversions Part 2

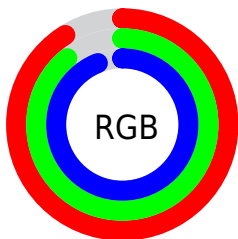
Format	Color
R _Y B	231, 228, 240
Decimal	15197424
CIE Lab	91.13, 3.19, -5.46
CIE LCh	91, 6.323, 300.307
Yxy	78.7670, 0.3072, 0.3166
Android (android.graphics.Color)	4293387504 (0xFFE7E4F0)
YUV	230.2650, 4.7994, 0.6446
Hunter-Lab	88.7508, -1.5973, -0.4006

Details

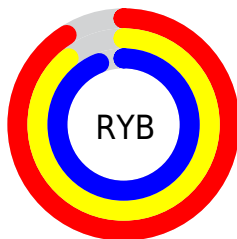
The Yxy color **78.7670, 0.3072, 0.3166** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.9061, 0.3181, 0.3413**, and the grayscale version is **79.3051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.4618, 0.3055, 0.3143** is the 20% darker color. If you saturate the color by 10%, you get **63.6348, 0.2949, 0.2896**, and if you desaturate by 10%, it is **96.0448, 0.3178, 0.3407**.

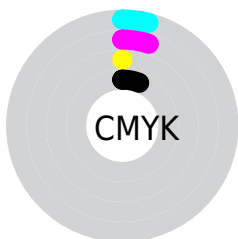
Distribution



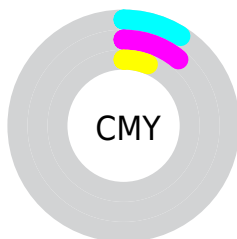
- Red (91%)
- Green (89%)
- Blue (94%)



- Red (91%)
- Yellow (89%)
- Blue (94%)



- Cyan (4%)
- Magenta (5%)
- Yellow (0%)
- Black (6%)



- Cyan (9%)
- Magenta (11%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7670, 0.3072, 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 78.7670, 0.3072, 0.3166 by changing the saturation by 10% instead.

■ 78.7670, 0.3072,
0.3166

■ 78.7670, 0.3072,
0.3166

490.7678, 0.3097,
0.3222

■ 58.7043, 0.3066,
0.3153

131.6308, 0.3081,
0.3185

■ 42.3751, 0.3059,
0.3138

165.2006, 0.3084,
0.3193

■ 29.3951, 0.3050,
0.3119

204.0416, 0.3087,
0.3199

■ 19.3799, 0.3039,
0.3094

248.5382, 0.3090,
0.3205

■ 11.9451, 0.3023,
0.3060

299.0747, 0.3092,
0.3210

■ 6.7063, 0.3001,
0.3013

356.0355, 0.3094,

■ 3.2791, 0.2966,

0.3215

0.2941

419.8051, 0.3096,
0.3219

■ 1.2791, 0.2905,
0.2820

■ 0.1250, 0.2343,
0.1489

■ 78.7670, 0.3072,
0.3166

■ 78.7670, 0.3072,
0.3166

■ 63.6348, 0.2949,
0.2896

■ 96.0448, 0.3178,
0.3407

■ 50.5538, 0.2807,
0.2600

■ 99.0699, 0.3215,
0.3435

■ 39.4377, 0.2649,
0.2282

■ 30.1897, 0.2476,
0.1951

■ 22.7051, 0.2295,
0.1623

■ 16.8684, 0.2114,
0.1315

■ 12.5500, 0.1944,
0.1051

■ 9.6001, 0.1797,
0.0849

■ 7.8365, 0.1681,
0.0718

Harmonies

Analogous

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



78.7670, 0.3013, 0.3169



78.7670, 0.3072, 0.3166



78.7670, 0.3146, 0.3195

Triad

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



78.7670, 0.3072, 0.3166



78.7670, 0.3272, 0.3373



78.7670, 0.3038, 0.3332

Complementary

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



78.7670, 0.3072, 0.3166



85.9061, 0.3181, 0.3413

Split Complementary

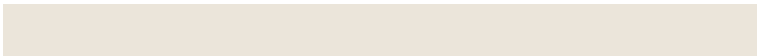
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.7670, 0.3107, 0.3388



78.7670, 0.3072, 0.3166



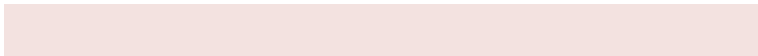
78.7670, 0.3242, 0.3412

Square

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



78.7670, 0.3072, 0.3166



78.7670, 0.3262, 0.3314



78.7670, 0.3181, 0.3418



78.7670, 0.2994, 0.3264

Rectangle

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



78.7670, 0.3072, 0.3166



78.7670, 0.3195, 0.3229



78.7670, 0.3181, 0.3418



78.7670, 0.3059, 0.3353

Sweetspot

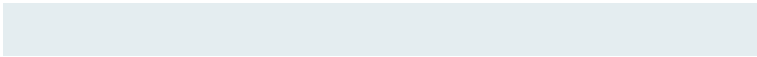
The Sweet Spot groups the original color and five complimentary colors.



78.7704, 0.3072, 0.3166



98.0239, 0.3116, 0.3266



83.3433, 0.3050, 0.3259



21.0020, 0.3117, 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.



78.7704, 0.3072, 0.3166



88.5176, 0.3060, 0.3140



79.7797, 0.3112, 0.3168



16.3711, 0.3053, 0.3124



4.0314, 0.1648, 0.0681



0.3810, 0.1777, 0.0753

Inverse Universe

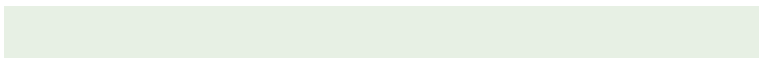
The Inverse Universe completely reimagines the original color for something new.



80.1214, 0.3152, 0.3199



90.3777, 0.3158, 0.3180



84.8969, 0.3141, 0.3414



16.7537, 0.3161, 0.3168



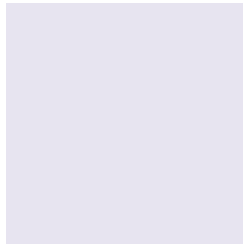
11.9563, 0.3970, 0.1961



1.0105, 0.3848, 0.1893

Previews

White Background



This preview shows how the Yxy color 78.7670, 0.3072, 0.3166 looks on a white background.

Color Contrast Check

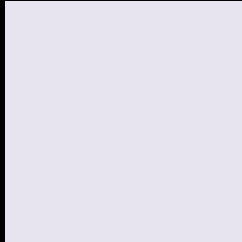
Large Text (above 18pt) WCAG AA × Fail

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 78.7670, 0.3072, 0.3166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

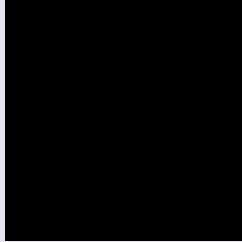
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

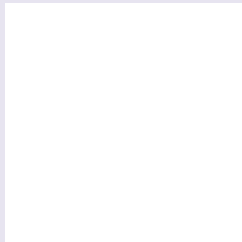
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.7670, 0.3072, 0.3166

Background



This preview shows how black text looks on a background with the Yxy color 78.7670, 0.3072, 0.3166.

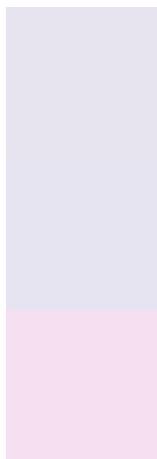


This preview shows how white text looks on a background with the Yxy color 78.7670, 0.3072, 0.3166.

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

78.7670, 0.3072, 0.3166

Protanopia

78.6011, 0.3065, 0.3166

Deuteranopia

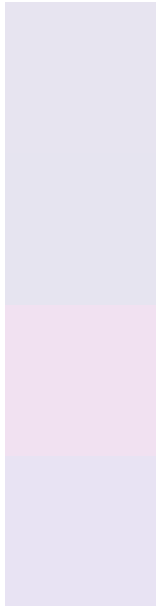
78.7191, 0.3171, 0.3109



Tritanopia

78.6865, 0.3047, 0.3105

Trichromacy



Original Color

78.7670, 0.3072, 0.3166

Protanomaly

78.6011, 0.3065, 0.3166

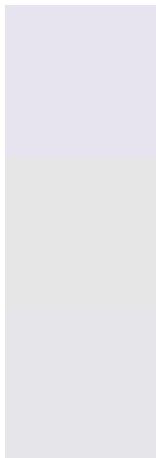
Deuteranomaly

78.9021, 0.3135, 0.3128

Tritanomaly

78.5650, 0.3060, 0.3125

Monochromacy



Original Color

78.7670, 0.3072, 0.3166

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

78.8021, 0.3102, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7670, 0.3072, 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(231, 228, 240)` looks like.

```
.text, #text, p{  
    color:rgb(231, 228, 240)  
}
```

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(231, 228, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 228, 240) }
```

Border

The CSS property to change the border of an element to Yxy 78.7670, 0.3072, 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(231, 228, 240) }
```

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

```
.border{ border-color:rgb(231, 228, 240) }
```

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

Here you see how a box with a 4 pixel rgb(231, 228, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 228, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 228, 240);  
box-shadow:4px 4px 4px 4px rgb(231, 228,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7670, 0.3072, 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(231, 228, 240) }
```

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

```
.background{ background-color: rgb(231,  
228, 240) }
```

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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