

Converting Colors

$Y_{xy}(76.8380, 0.3064, 0.3175)$

Have a look what the booklet for
Yxy(76.8380, 0.3064, 0.3175)
contains.

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Color

Yxy(76.8380, 0.3064, 0.3175)

Conversions

Conversions Part 1

Format	Color
Hex	E3E2ED
RGB	227, 226, 237
RGB Percent	89%, 89%, 93%
CMY	0.1099, 0.1137, 0.0707
CMYK	0.04, 0.05, 0.00, 0.07
HSL	245°, 23%, 91%
HSV	245°, 5%, 93%
XYZ	74.1517, 76.8380, 91.0198
YIQ	227.5530, -2.9350, 3.6330

Conversions

Conversions Part 2

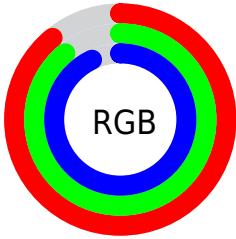
Format	Color
R _Y B	227, 226, 237
Decimal	14934765
CIE Lab	90.25, 2.33, -5.22
CIE LCh	90, 5.715, 294.042
Yxy	76.8380, 0.3064, 0.3175
Android (android.graphics.Color)	4293124845 (0xFFE3E2ED)
YUV	227.5530, 4.6574, -0.4850
Hunter-Lab	87.6573, -2.4022, -0.2042

Details

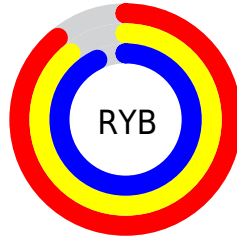
The Yxy color $76.8380, 0.3064, 0.3175$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $83.8772, 0.3189, 0.3403$, and the grayscale version is $77.2053, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.2327, 0.3054, 0.3154$ is the 20% darker color. If you saturate the color by 10%, you get $61.5342, 0.2913, 0.2902$, and if you desaturate by 10%, it is $94.3707, 0.3195, 0.3415$.

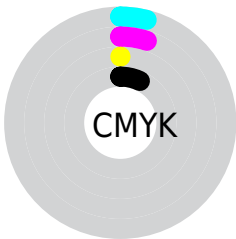
Distribution



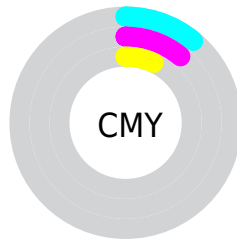
- Red (89%)
- Green (89%)
- Blue (93%)



- Red (89%)
- Yellow (89%)
- Blue (93%)



- Cyan (4%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)



- Cyan (11%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.8380, 0.3064, 0.3175 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 76.8380, 0.3064, 0.3175 by changing the saturation by 10% instead.

■ 76.8380, 0.3064,
0.3175

■ 76.8380, 0.3064,
0.3175

484.2115, 0.3093,
0.3228

■ 57.1199, 0.3057,
0.3163

128.9108, 0.3074,
0.3193

■ 41.1015, 0.3049,
0.3149

162.0343, 0.3078,
0.3200

■ 28.3984, 0.3039,
0.3130

200.3950, 0.3081,
0.3206

■ 18.6262, 0.3026,
0.3107

244.3774, 0.3084,
0.3212

■ 11.4005, 0.3007,
0.3075

294.3659, 0.3087,
0.3216

■ 6.3369, 0.2981,
0.3029

350.7448, 0.3089,

■ 3.0510, 0.2941,

0.3220

0.2960

413.8985, 0.3091,
0.3224

■ 1.1584, 0.2870,
0.2840

■ 0.0273, 0.1641,
0.0542

■ 76.8380, 0.3064,
0.3175

■ 76.8380, 0.3064,
0.3175

■ 61.5342, 0.2913,
0.2902

■ 94.3707, 0.3195,
0.3415

■ 48.3605, 0.2742,
0.2598

■ 98.8927, 0.3232,
0.3464

■ 37.2253, 0.2553,
0.2267

■ 28.0268, 0.2351,
0.1919

■ 20.6538, 0.2145,
0.1571

■ 14.9845, 0.1948,
0.1247

■ 10.8816, 0.1775,
0.0973

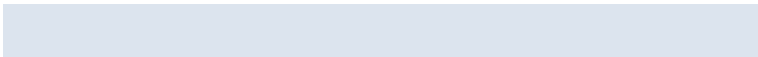
■ 8.1869, 0.1640,
0.0769

■ 6.7081, 0.1552,
0.0649

Harmonies

Analogous

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



76.8380, 0.3015, 0.3185



76.8380, 0.3064, 0.3175



76.8380, 0.3130, 0.3196

Triad

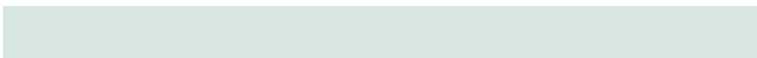
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8380, 0.3064, 0.3175



76.8380, 0.3260, 0.3356



76.8380, 0.3058, 0.3340

Complementary

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



76.8380, 0.3064, 0.3175



83.8772, 0.3189, 0.3403

Split Complementary

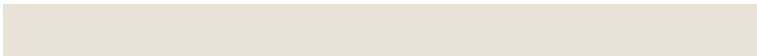
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.8380, 0.3123, 0.3387



76.8380, 0.3064, 0.3175



76.8380, 0.3240, 0.3396

Square

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



76.8380, 0.3064, 0.3175



76.8380, 0.3244, 0.3299



76.8380, 0.3190, 0.3408



76.8380, 0.3012, 0.3280

Rectangle

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



76.8380, 0.3064, 0.3175



76.8380, 0.3175, 0.3224



76.8380, 0.3190, 0.3408



76.8380, 0.3078, 0.3358

Sweetspot

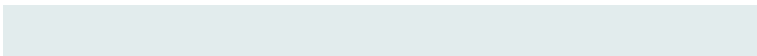
The Sweet Spot groups the original color and five complimentary colors.



76.8413, 0.3064, 0.3175



97.9453, 0.3114, 0.3266



82.3079, 0.3055, 0.3280



20.9860, 0.3114, 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.



76.8413, 0.3064, 0.3175



88.0721, 0.3044, 0.3139



77.7378, 0.3101, 0.3176



15.5505, 0.3035, 0.3123



3.4475, 0.1529, 0.0616



0.2925, 0.1601, 0.0656

Inverse Universe

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



78.4573, 0.3139, 0.3187



90.5374, 0.3142, 0.3156



82.9621, 0.3152, 0.3404



16.0335, 0.3144, 0.3142



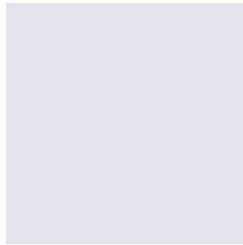
12.5519, 0.3443, 0.1670



0.9923, 0.3407, 0.1650

Previews

White Background



This preview shows how the Yxy color 76.8380, 0.3064, 0.3175 looks on a white background.

Color Contrast Check

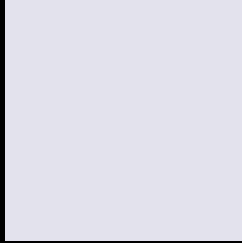
Large Text (above 18pt) WCAG AA × Fail

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 76.8380, 0.3064, 0.3175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

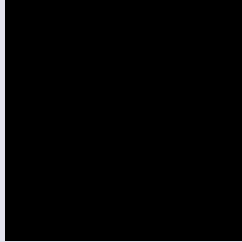
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

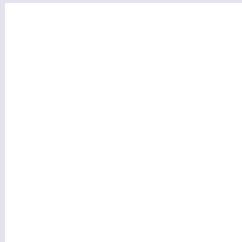
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.8380, 0.3064, 0.3175

Background



This preview shows how black text looks on a background with the Yxy color 76.8380, 0.3064, 0.3175.

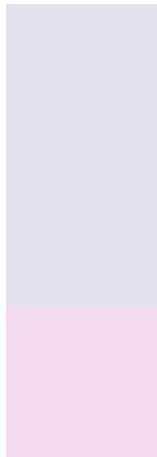


This preview shows how white text looks on a background with the Yxy color 76.8380, 0.3064, 0.3175.

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

76.8380, 0.3064, 0.3175

Protanopia

77.0011, 0.3071, 0.3175

Deuteranopia

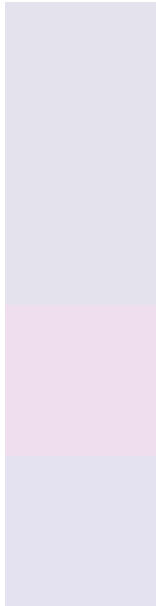
76.5925, 0.3178, 0.3108



Tritanopia

76.8155, 0.3033, 0.3103

Trichromacy



Original Color

76.8380, 0.3064, 0.3175

Protanomaly

77.0011, 0.3071, 0.3175

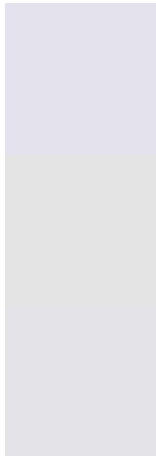
Deuteranomaly

76.5927, 0.3135, 0.3126

Tritanomaly

76.6953, 0.3046, 0.3123

Monochromacy



Original Color

76.8380, 0.3064, 0.3175

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.2017, 0.3108, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8380, 0.3064, 0.3175 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(227, 226, 237)` looks like.

```
.text, #text, p{  
    color:rgb(227, 226, 237)  
}
```

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(227, 226, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 226, 237) }
```

Border

The CSS property to change the border of an element to Yxy 76.8380, 0.3064, 0.3175 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(227, 226, 237) }
```

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

```
.border{ border-color:rgb(227, 226, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 226, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 226, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 226, 237);  
box-shadow:4px 4px 4px 4px rgb(227, 226,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8380, 0.3064, 0.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 226, 237) }
```

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

```
.background{ background-color: rgb(227,  
226, 237) }
```

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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