

Converting Colors

$Yxy(80.1447, 0.3023, 0.3153)$

Have a look what the booklet for
Yxy(80.1447, 0.3023, 0.3153)
contains.

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Color

Yxy(80.1775, 0.3027, 0.3155)

Conversions

Conversions Part 1

Format	Color
Hex	E4E7F4
RGB	228, 231, 244
RGB Percent	89%, 91%, 96%
CMY	0.1055, 0.0942, 0.0430
CMYK	0.07, 0.05, 0.00, 0.04
HSL	229°, 42%, 93%
HSV	229°, 7%, 96%
XYZ	76.9247, 80.1775, 97.0262
YIQ	231.5850, -5.9610, 3.4070

Conversions

Conversions Part 2

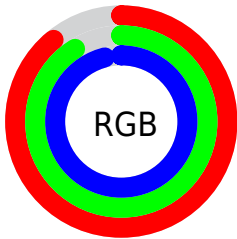
Format	Color
R _Y B	228, 231, 244
Decimal	15001588
CIE Lab	91.76, 1.45, -6.66
CIE LCh	92, 6.816, 282.325
Yxy	80.1775, 0.3027, 0.3155
Android (android.graphics.Color)	4293191668 (0xFFE4E7F4)
YUV	231.5850, 6.1206, -3.1440
Hunter-Lab	89.5419, -3.3505, -1.5664

Details

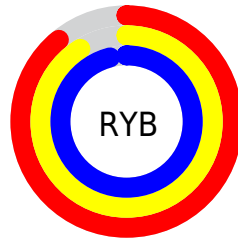
The Yxy color $80.1775, 0.3027, 0.3155$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $87.8391, 0.3226, 0.3421$, and the grayscale version is $80.3390, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.1750, 0.3006, 0.3117$ is the 20% darker color. If you saturate the color by 10%, you get $65.9086, 0.2860, 0.2926$, and if you desaturate by 10%, it is $96.2944, 0.3178, 0.3357$.

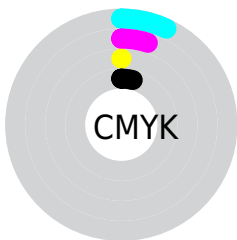
Distribution



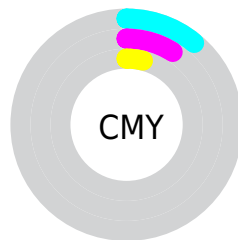
- Red (89%)
- Green (91%)
- Blue (96%)



- Red (89%)
- Yellow (91%)
- Blue (96%)



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



- Cyan (11%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1775, 0.3027, 0.3155 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 80.1775, 0.3027, 0.3155 by changing the saturation by 10% instead.

80.1775, 0.3027,
0.3155

80.1775, 0.3027,
0.3155

495.5308, 0.3073,
0.3216

59.8644, 0.3017,
0.3141

133.6153, 0.3043,
0.3176

43.3094, 0.3004,
0.3125

167.5087, 0.3049,
0.3184

30.1279, 0.2988,
0.3104

206.6978, 0.3054,
0.3191

19.9357, 0.2968,
0.3076

251.5669, 0.3059,
0.3198

12.3483, 0.2940,
0.3040

302.5003, 0.3063,
0.3203

6.9814, 0.2902,
0.2989

359.8825, 0.3066,

3.4504, 0.2842,

0.3208

0.2912

424.0979, 0.3070,
0.3212

■ 1.3712, 0.2742,
0.2782

■ 0.1953, 0.2020,
0.1784

■ 80.1775, 0.3027,
0.3155

■ 80.1775, 0.3027,
0.3155

■ 65.9086, 0.2860,
0.2926

■ 96.2944, 0.3178,
0.3357

■ 53.4113, 0.2679,
0.2669

■ 99.3130, 0.3191,
0.3395

■ 42.6188, 0.2487,
0.2388

■ 33.4559, 0.2289,
0.2087

■ 25.8421, 0.2094,
0.1779

■ 19.6895, 0.1912,
0.1478

■ 14.9013, 0.1756,
0.1202

■ 11.3681, 0.1637,
0.0969

■ 8.9613, 0.1560,
0.0793

Harmonies

Analogous

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



80.1775, 0.2982, 0.3180



80.1775, 0.3027, 0.3155



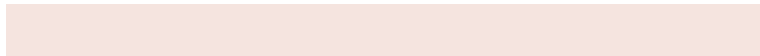
80.1775, 0.3099, 0.3166

Triad

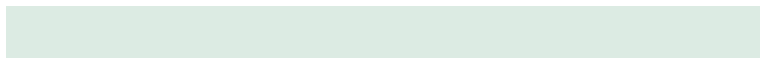
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.1775, 0.3027, 0.3155



80.1775, 0.3281, 0.3342



80.1775, 0.3074, 0.3374

Complementary

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



80.1775, 0.3027, 0.3155



87.8391, 0.3226, 0.3421

Split Complementary

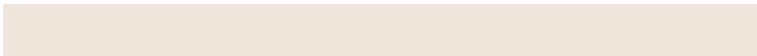
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1775, 0.3154, 0.3419



80.1775, 0.3027, 0.3155



80.1775, 0.3274, 0.3399

Square

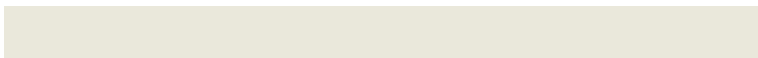
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1775, 0.3027, 0.3155



80.1775, 0.3247, 0.3273



80.1775, 0.3227, 0.3428



80.1775, 0.3009, 0.3306

Rectangle

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



80.1775, 0.3027, 0.3155



80.1775, 0.3153, 0.3191



80.1775, 0.3227, 0.3428



80.1775, 0.3100, 0.3392

Sweetspot

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



80.1809, 0.3027, 0.3155



96.4088, 0.3097, 0.3250



87.5817, 0.3043, 0.3320



20.6731, 0.3099, 0.3252



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.



80.1809, 0.3027, 0.3155



86.1315, 0.3003, 0.3123



79.4196, 0.3061, 0.3127



16.4112, 0.2979, 0.3090



4.6763, 0.1546, 0.0766



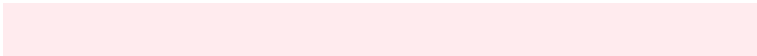
0.5425, 0.1603, 0.0971

Inverse Universe

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



80.5448, 0.3219, 0.3261



86.6379, 0.3242, 0.3254



88.6689, 0.3191, 0.3452



16.5314, 0.3265, 0.3247



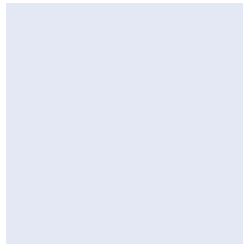
10.5714, 0.6125, 0.3148



0.9424, 0.5802, 0.2970

Previews

White Background



This preview shows how the Yxy color 80.1775, 0.3027, 0.3155 looks on a white background.

Color Contrast Check

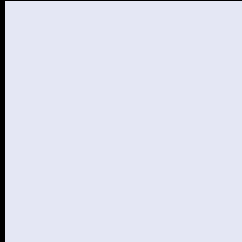
Large Text (above 18pt) WCAG AA × Fail

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 80.1775, 0.3027, 0.3155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

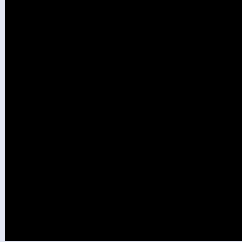
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

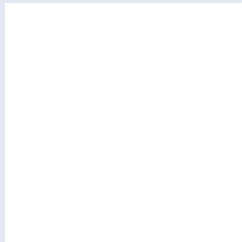
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1775, 0.3027, 0.3155

Background



This preview shows how black text looks on a background with the Yxy color 80.1775, 0.3027, 0.3155.

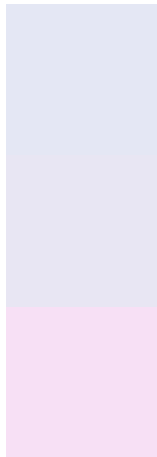


This preview shows how white text looks on a background with the Yxy color 80.1775, 0.3027, 0.3155.

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

80.1775, 0.3027, 0.3155

Protanopia

80.2205, 0.3059, 0.3156

Deuteranopia

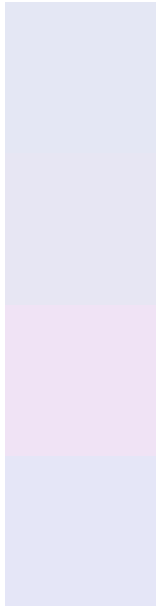
79.6780, 0.3151, 0.3081



Tritanopia

80.0290, 0.3009, 0.3105

Trichromacy



Original Color

80.1775, 0.3027, 0.3155

Protanomaly

80.0536, 0.3053, 0.3156

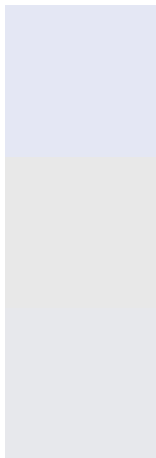
Deuteranomaly

80.0560, 0.3102, 0.3108

Tritanomaly

79.9670, 0.3015, 0.3115

Monochromacy



Original Color

80.1775, 0.3027, 0.3155

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.7583, 0.3095, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1775, 0.3027, 0.3155 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, 231, 244)` looks like.

```
.text, #text, p{  
    color:rgb(228, 231, 244)  
}
```

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, 231, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 231, 244) }
```

Border

The CSS property to change the border of an element to Yxy 80.1775, 0.3027, 0.3155 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, 231, 244) }
```

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

```
.border{ border-color:rgb(228, 231, 244) }
```

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

Here you see how a box with a 4 pixel rgb(228, 231, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 231, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 231, 244);  
box-shadow:4px 4px 4px 4px rgb(228, 231,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1775, 0.3027, 0.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 231, 244) }
```

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

```
.background{ background-color: rgb(228,  
231, 244) }
```

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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