

Converting Colors

Yxy(81.0158, 0.2959, 0.3049)

Have a look what the booklet for
Yxy(81.0158, 0.2959, 0.3049)
contains.

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Color

Yxy(80.8658, 0.2961, 0.3045)

Conversions

Conversions Part 1

Format	Color
Hex	E4E7FF
RGB	228, 231, 255
RGB Percent	89%, 91%, 100%
CMY	0.1056, 0.0942, 0.0000
CMYK	0.11, 0.09, 0.00, 0.00
HSL	233°, 100%, 95%
HSV	233°, 11%, 100%
XYZ	78.6350, 80.8658, 106.0683
YIQ	232.8390, -9.4920, 6.8280

Conversions

Conversions Part 2

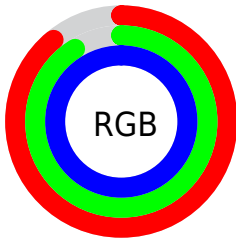
Format	Color
R _Y B	228, 231, 255
Decimal	15001599
CIE Lab	92.07, 3.56, -11.93
CIE LCh	92, 12.450, 286.604
Yxy	80.8658, 0.2961, 0.3045
Android (android.graphics.Color)	4293191679 (0xFFE4E7FF)
YUV	232.8390, 10.9254, -4.2438
Hunter-Lab	89.9254, -1.2807, -6.9856

Details

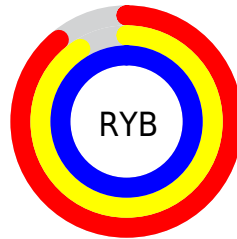
The Yxy color $80.8658, 0.2961, 0.3045$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $96.5322, 0.3288, 0.3524$, and the grayscale version is $81.2882, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.5078, 0.2921, 0.2988$ is the 20% darker color. If you saturate the color by 10%, you get $65.0915, 0.2785, 0.2782$, and if you desaturate by 10%, it is $98.9146, 0.3119, 0.3278$.

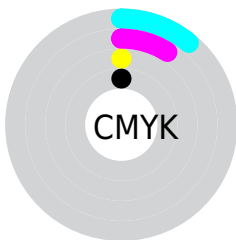
Distribution



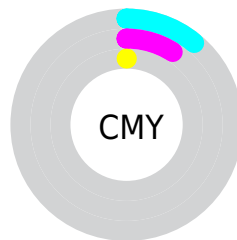
- Red (89%)
- Green (91%)
- Blue (100%)



- Red (89%)
- Yellow (91%)
- Blue (100%)



- Cyan (11%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8658, 0.2961, 0.3045 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 80.8658, 0.2961, 0.3045 by changing the saturation by 10% instead.

80.8658, 0.2961,
0.3045

80.8658, 0.2961,
0.3045

497.8459, 0.3037,
0.3155

60.4311, 0.2944,
0.3021

134.5823, 0.2987,
0.3083

43.7662, 0.2923,
0.2991

168.6329, 0.2997,
0.3097

30.4867, 0.2897,
0.2954

207.9909, 0.3006,
0.3110

20.2083, 0.2864,
0.2906

253.0407, 0.3014,
0.3121

12.5466, 0.2819,
0.2843

304.1667, 0.3020,
0.3131

7.1171, 0.2755,
0.2755

361.7533, 0.3026,

3.5354, 0.2660,

0.3140

0.2624

426.1849, 0.3032,
0.3148

■ 1.4172, 0.2501,
0.2412

■ 0.2294, 0.1878,
0.1413

■ 80.8658, 0.2961,
0.3045

■ 80.8658, 0.2961,
0.3045

■ 65.0915, 0.2785,
0.2782

98.9146, 0.3119,
0.3278

■ 51.4915, 0.2594,
0.2489

99.9998, 0.3127,
0.3290

■ 39.9732, 0.2391,
0.2173

■ 30.4333, 0.2184,
0.1844

■ 22.7599, 0.1985,
0.1518

■ 16.8295, 0.1808,
0.1216

■ 12.5035, 0.1665,
0.0962

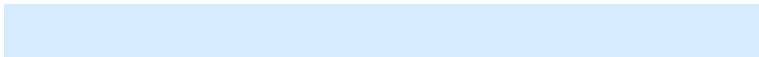
■ 9.6221, 0.1568,
0.0772

■ 8.0348, 0.1517,
0.0660

Harmonies

Analogous

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



80.8658, 0.2872, 0.3079



80.8658, 0.2961, 0.3045



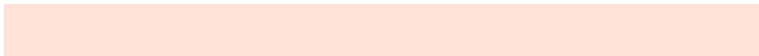
80.8658, 0.3096, 0.3074

Triad

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



80.8658, 0.2961, 0.3045



80.8658, 0.3412, 0.3399



80.8658, 0.3010, 0.3428

Complementary

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



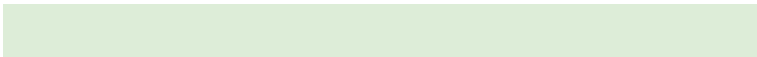
80.8658, 0.2961, 0.3045



96.5322, 0.3288, 0.3524

Split Complementary

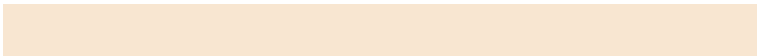
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.8658, 0.3153, 0.3519



80.8658, 0.2961, 0.3045



80.8658, 0.3388, 0.3499

Square

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



80.8658, 0.2961, 0.3045



80.8658, 0.3359, 0.3275



80.8658, 0.3292, 0.3544



80.8658, 0.2900, 0.3298

Rectangle

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



80.8658, 0.2961, 0.3045



80.8658, 0.3194, 0.3125



80.8658, 0.3292, 0.3544



80.8658, 0.3056, 0.3464

Sweetspot

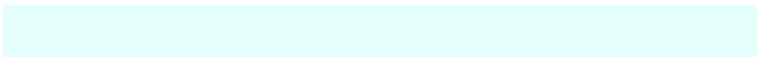
The Sweet Spot groups the original color and five complimentary colors.



80.8692, 0.2961, 0.3045



94.3035, 0.3082, 0.3224



95.0419, 0.2981, 0.3321



19.8666, 0.3070, 0.3206



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.



80.8692, 0.2961, 0.3045



76.8185, 0.2920, 0.2984



80.9868, 0.3028, 0.3020



17.6949, 0.2979, 0.3071



4.2999, 0.1521, 0.0675



0.5175, 0.1559, 0.0812

Inverse Universe

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



82.5508, 0.3296, 0.3262



78.8836, 0.3341, 0.3255



96.4770, 0.3219, 0.3557



18.0191, 0.3277, 0.3265



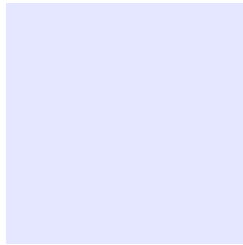
11.1620, 0.6275, 0.3230



1.0968, 0.6050, 0.3107

Previews

White Background



This preview shows how the Yxy color 80.8658, 0.2961, 0.3045 looks on a white background.

Color Contrast Check

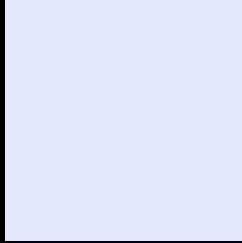
Large Text (above 18pt) WCAG AA × Fail

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 80.8658, 0.2961, 0.3045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

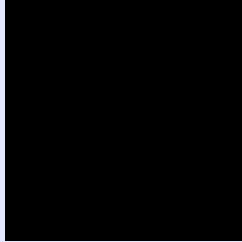
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.8658, 0.2961, 0.3045

Background



This preview shows how black text looks on a background with the Yxy color 80.8658, 0.2961, 0.3045.



This preview shows how white text looks on a background with the Yxy color 80.8658, 0.2961, 0.3045.

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

80.8658, 0.2961, 0.3045

Protanopia

81.1948, 0.2973, 0.3046

Deuteranopia

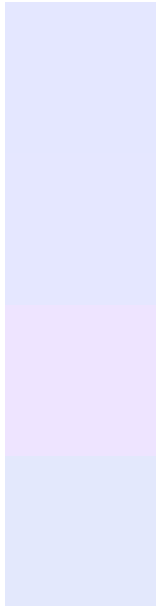
80.6674, 0.3059, 0.3002



Tritanopia

80.9462, 0.2984, 0.3105

Trichromacy



Original Color

80.8658, 0.2961, 0.3045

Protanomaly

81.0298, 0.2967, 0.3046

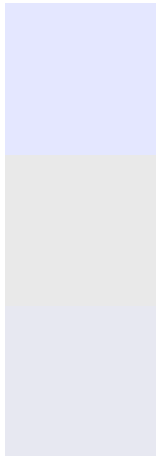
Deuteranomaly

80.8839, 0.3026, 0.3019

Tritanomaly

81.0724, 0.2972, 0.3085

Monochromacy



Original Color

80.8658, 0.2961, 0.3045

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.0530, 0.3065, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8658, 0.2961, 0.3045 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 231, 255)  
}
```

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, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.8658, 0.2961, 0.3045 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, 255) }
```

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

```
.border{ border-color:rgb(228, 231, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 231,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8658, 0.2961, 0.3045 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, 255) }
```

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

```
.background{ background-color: rgb(228,  
231, 255) }
```

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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