

Converting Colors

$Y_{xy}(81.7055, 0.2950, 0.3065)$

Have a look what the booklet for
Yxy(81.7055, 0.2950, 0.3065)
contains.

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Color

Yxy(81.6666, 0.2948, 0.3065)

Conversions

Conversions Part 1

Format	Color
Hex	E2E9FF
RGB	226, 233, 255
RGB Percent	89%, 91%, 100%
CMY	0.1138, 0.0862, 0.0000
CMYK	0.11, 0.09, 0.00, 0.00
HSL	225°, 100%, 94%
HSV	225°, 11%, 100%
XYZ	78.5491, 81.6666, 106.2332
YIQ	233.4150, -11.2340, 5.3580

Conversions

Conversions Part 2

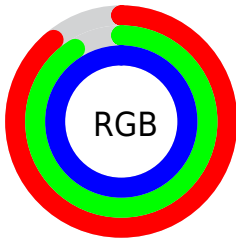
Format	Color
R _Y B	226, 232, 255
Decimal	14871039
CIE Lab	92.43, 1.85, -11.42
CIE LCh	92, 11.570, 279.222
Yxy	81.6666, 0.2948, 0.3065
Android (android.graphics.Color)	4293061119 (0xFFE2E9FF)
YUV	233.4150, 10.6414, -6.5030
Hunter-Lab	90.3696, -2.9947, -6.4392

Details

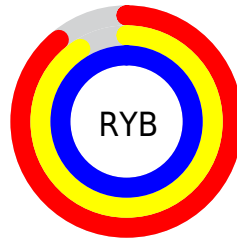
The Yxy color **81.6666, 0.2948, 0.3065** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93.8692, 0.3306, 0.3505**, and the grayscale version is **81.7392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.1794, 0.2914, 0.3014** is the 20% darker color. If you saturate the color by 10%, you get **67.4997, 0.2776, 0.2841**, and if you desaturate by 10%, it is **97.6511, 0.3106, 0.3264**.

Distribution



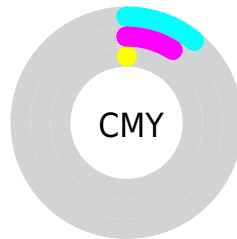
- Red (89%)
- Green (91%)
- Blue (100%)



- 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 81.6666, 0.2948, 0.3065 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 81.6666, 0.2948, 0.3065 by changing the saturation by 10% instead.

81.6666, 0.2948,
0.3065

81.6666, 0.2948,
0.3065

500.5318, 0.3029,
0.3166

61.0908, 0.2930,
0.3043

135.7064, 0.2976,
0.3100

44.2984, 0.2908,
0.3015

169.9391, 0.2987,
0.3113

30.9052, 0.2880,
0.2981

209.4929, 0.2996,
0.3125

20.5267, 0.2844,
0.2937

254.7521, 0.3004,
0.3135

12.7784, 0.2797,
0.2878

306.1013, 0.3012,
0.3144

7.2762, 0.2730,
0.2797

363.9246, 0.3018,

3.6354, 0.2630,

0.3153

0.2676

428.6067, 0.3024,
0.3160

■ 1.4718, 0.2464,
0.2478

■ 0.2687, 0.1805,
0.1613

■ 81.6666, 0.2948,
0.3065

■ 81.6666, 0.2948,
0.3065

■ 67.4997, 0.2776,
0.2841

■ 97.6511, 0.3106,
0.3264

■ 55.0757, 0.2593,
0.2592

100.0000, 0.3127,
0.3290

■ 44.3281, 0.2402,
0.2322

■ 35.1829, 0.2211,
0.2036

■ 27.5598, 0.2028,
0.1747

■ 21.3716, 0.1863,
0.1465

■ 16.5210, 0.1726,
0.1209

■ 12.8969, 0.1626,
0.0992

■ 10.6375, 0.1568,
0.0844

Harmonies

Analogous

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



81.6666, 0.2879, 0.3111



81.6666, 0.2948, 0.3065



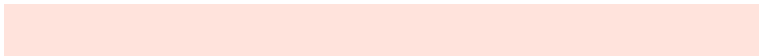
81.6666, 0.3065, 0.3078

Triad

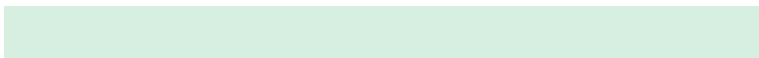
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.6666, 0.2948, 0.3065



81.6666, 0.3385, 0.3365



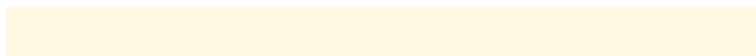
81.6666, 0.3050, 0.3443

Complementary

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



81.6666, 0.2948, 0.3065



93.8692, 0.3306, 0.3505

Split Complementary

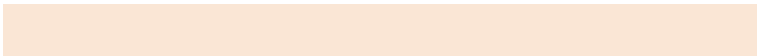
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.6666, 0.3185, 0.3514



81.6666, 0.2948, 0.3065



81.6666, 0.3381, 0.3465

Square

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



81.6666, 0.2948, 0.3065



81.6666, 0.3319, 0.3248



81.6666, 0.3307, 0.3521



81.6666, 0.2938, 0.3329

Rectangle

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



81.6666, 0.2948, 0.3065



81.6666, 0.3156, 0.3117



81.6666, 0.3307, 0.3521



81.6666, 0.3094, 0.3473

Sweetspot

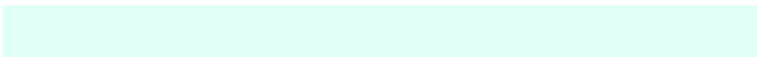
The Sweet Spot groups the original color and five complimentary colors.



81.6698, 0.2948, 0.3065



94.9344, 0.3082, 0.3234



94.4478, 0.2991, 0.3363



20.0362, 0.3069, 0.3218



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.



81.6698, 0.2948, 0.3065



77.7827, 0.2904, 0.3009



78.9680, 0.2994, 0.2996



18.0918, 0.2979, 0.3104



5.7507, 0.1575, 0.0869



0.7214, 0.1632, 0.1075

Inverse Universe

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



81.5280, 0.3285, 0.3221



77.6781, 0.3327, 0.3204



96.9202, 0.3251, 0.3576



18.0592, 0.3256, 0.3233



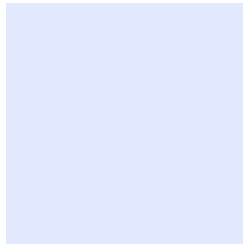
11.3085, 0.5960, 0.3057



1.1174, 0.5647, 0.2885

Previews

White Background



This preview shows how the Yxy color 81.6666, 0.2948, 0.3065 looks on a white background.

Color Contrast Check

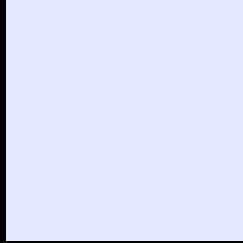
Large Text (above 18pt) WCAG AA × Fail

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 81.6666, 0.2948, 0.3065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

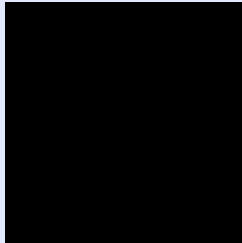
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.6666, 0.2948, 0.3065

Background



This preview shows how black text looks on a background with the Yxy color 81.6666, 0.2948, 0.3065.



This preview shows how white text looks on a background with the Yxy color 81.6666, 0.2948, 0.3065.

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

81.6666, 0.2948, 0.3065

Protanopia

81.8579, 0.2986, 0.3067

Deuteranopia

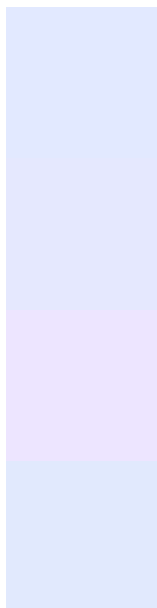
81.3913, 0.3066, 0.3013



Tritanopia

81.3137, 0.2959, 0.3095

Trichromacy



Original Color

81.6666, 0.2948, 0.3065

Protanomaly

81.5270, 0.2973, 0.3066

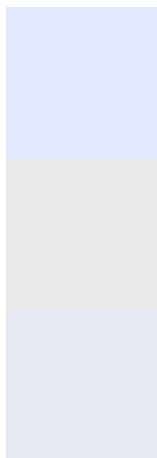
Deuteranomaly

81.2631, 0.3019, 0.3029

Tritanomaly

81.3772, 0.2953, 0.3085

Monochromacy



Original Color

81.6666, 0.2948, 0.3065

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.4517, 0.3058, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6666, 0.2948, 0.3065 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(226, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 233, 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(226, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.6666, 0.2948, 0.3065 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(226, 233, 255) }
```

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

```
.border{ border-color:rgb(226, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 233,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6666, 0.2948, 0.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 233, 255) }
```

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

```
.background{ background-color: rgb(226,  
233, 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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