

Converting Colors

$Yxy(82.1318, 0.2970, 0.3065)$

Have a look what the booklet for
Yxy(82.1318, 0.2970, 0.3065)
contains.

Yxy(82.1558, 0.2967, 0.3066)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(82.1558, 0.2967, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	E5E9FF
RGB	229, 233, 255
RGB Percent	90%, 91%, 100%
CMY	0.1020, 0.0863, 0.0000
CMYK	0.10, 0.09, 0.00, 0.00
HSL	231°, 100%, 95%
HSV	231°, 10%, 100%
XYZ	79.5030, 82.1558, 106.2988
YIQ	234.3120, -9.4460, 5.9940

Conversions

Conversions Part 2

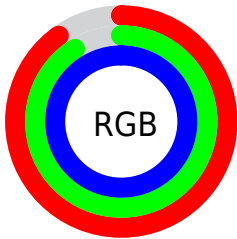
Format	Color
R _Y B	229, 232, 255
Decimal	15067647
CIE Lab	92.64, 2.81, -11.09
CIE LCh	93, 11.440, 284.242
Yxy	82.1558, 0.2967, 0.3066
Android (android.graphics.Color)	4293257727 (0xFFE5E9FF)
YUV	234.3120, 10.1992, -4.6586
Hunter-Lab	90.6398, -2.0518, -6.0851

Details

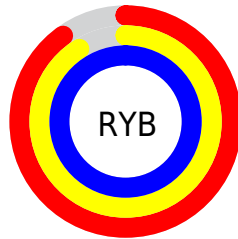
The Yxy color **82.1558, 0.2967, 0.3066** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.9023, 0.3284, 0.3504**, and the grayscale version is **82.4542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.4057, 0.2930, 0.3015** is the 20% darker color. If you saturate the color by 10%, you get **66.7934, 0.2794, 0.2818**, and if you desaturate by 10%, it is **99.6294, 0.3124, 0.3286**.

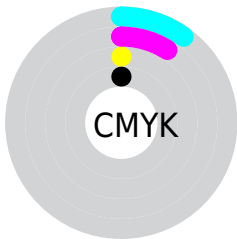
Distribution



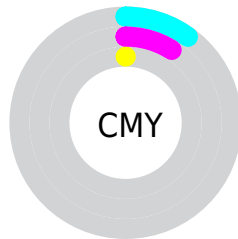
- Red (90%)
- Green (91%)
- Blue (100%)



- Red (90%)
- Yellow (91%)
- Blue (100%)



- Cyan (10%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1558, 0.2967, 0.3066 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 82.1558, 0.2967, 0.3066 by changing the saturation by 10% instead.

82.1558, 0.2967,
0.3066

82.1558, 0.2967,
0.3066

502.1687, 0.3040,
0.3167

61.4940, 0.2951,
0.3044

136.3925, 0.2992,
0.3100

44.6239, 0.2931,
0.3017

170.7361, 0.3002,
0.3114

31.1613, 0.2906,
0.2983

210.4091, 0.3010,
0.3126

20.7217, 0.2874,
0.2939

255.7959, 0.3017,
0.3136

12.9207, 0.2831,
0.2882

307.2808, 0.3024,
0.3145

7.3740, 0.2771,
0.2801

365.2484, 0.3030,

3.6971, 0.2681,

0.3153

0.2683

430.0828, 0.3035,
0.3160

■ 1.5056, 0.2532,
0.2490

■ 0.2927, 0.1994,
0.1683

■ 82.1558, 0.2967,
0.3066

■ 82.1558, 0.2967,
0.3066

■ 66.7934, 0.2794,
0.2818

99.6294, 0.3124,
0.3286

■ 53.4572, 0.2606,
0.2542

100.0000, 0.3127,
0.3290

■ 42.0633, 0.2407,
0.2243

■ 32.5202, 0.2206,
0.1928

■ 24.7286, 0.2011,
0.1613

■ 18.5800, 0.1835,
0.1314

■ 13.9533, 0.1692,
0.1053

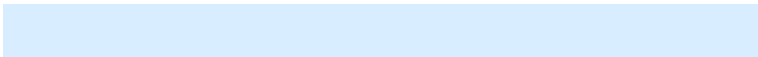
■ 10.7097, 0.1589,
0.0847

■ 8.6944, 0.1530,
0.0708

Harmonies

Analogous

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



82.1558, 0.2890, 0.3102



82.1558, 0.2967, 0.3066



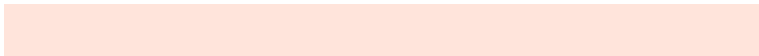
82.1558, 0.3088, 0.3088

Triad

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



82.1558, 0.2967, 0.3066



82.1558, 0.3386, 0.3382



82.1558, 0.3030, 0.3424

Complementary

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



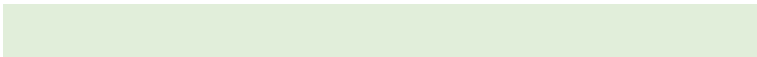
82.1558, 0.2967, 0.3066



95.9023, 0.3284, 0.3504

Split Complementary

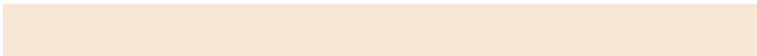
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.1558, 0.3162, 0.3503



82.1558, 0.2967, 0.3066



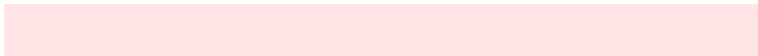
82.1558, 0.3369, 0.3475

Square

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



82.1558, 0.2967, 0.3066



82.1558, 0.3332, 0.3268



82.1558, 0.3287, 0.3521



82.1558, 0.2926, 0.3308

Rectangle

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



82.1558, 0.2967, 0.3066



82.1558, 0.3178, 0.3132



82.1558, 0.3287, 0.3521



82.1558, 0.3073, 0.3456

Sweetspot

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



82.1573, 0.2967, 0.3066



94.5194, 0.3082, 0.3227



95.1205, 0.2993, 0.3333



19.9246, 0.3070, 0.3210



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.



82.1573, 0.2967, 0.3066



79.2377, 0.2937, 0.3024



81.3723, 0.3023, 0.3029



17.8302, 0.2979, 0.3083



4.6768, 0.1535, 0.0726



0.5809, 0.1583, 0.0897

Inverse Universe

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



83.1773, 0.3282, 0.3251



80.4506, 0.3313, 0.3244



96.8293, 0.3224, 0.3547



18.0328, 0.3270, 0.3254



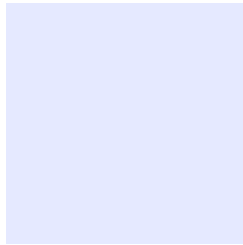
11.2001, 0.6189, 0.3183



1.1032, 0.5917, 0.3033

Previews

White Background



This preview shows how the Yxy color 82.1558, 0.2967, 0.3066 looks on a white background.

Color Contrast Check

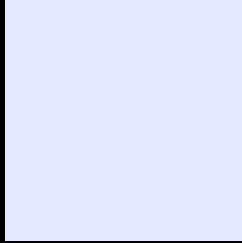
Large Text (above 18pt) WCAG AA × Fail

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 82.1558, 0.2967, 0.3066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

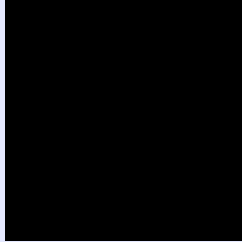
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.1558, 0.2967, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 82.1558, 0.2967, 0.3066.



This preview shows how white text looks on a background with the Yxy color 82.1558, 0.2967, 0.3066.

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

82.1558, 0.2967, 0.3066

Protanopia

82.0248, 0.2992, 0.3067

Deuteranopia

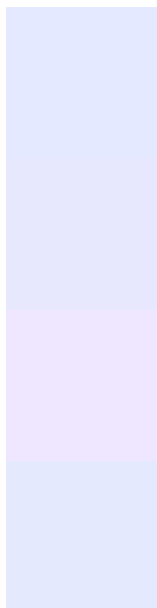
82.1193, 0.3072, 0.3023



Tritanopia

81.8001, 0.2979, 0.3096

Trichromacy



Original Color

82.1558, 0.2967, 0.3066

Protanomaly

81.8579, 0.2986, 0.3067

Deuteranomaly

82.1644, 0.3032, 0.3040

Tritanomaly

81.8637, 0.2973, 0.3086

Monochromacy



Original Color

82.1558, 0.2967, 0.3066

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.4122, 0.3065, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1558, 0.2967, 0.3066 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(229, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.1558, 0.2967, 0.3066 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(229, 233, 255) }
```

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

```
.border{ border-color:rgb(229, 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(229, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 233,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1558, 0.2967, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 233, 255) }
```

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

```
.background{ background-color: rgb(229,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor