

Converting Colors

$Yxy(80.7044, 0.2989, 0.3110)$

Have a look what the booklet for
Yxy(80.7044, 0.2989, 0.3110)
contains.

Yxy(80.8837, 0.2990, 0.3115)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.8837, 0.2990, 0.3115)

Conversions

Conversions Part 1

Format	Color
Hex	E3E8F9
RGB	227, 232, 249
RGB Percent	89%, 91%, 98%
CMY	0.1097, 0.0902, 0.0236
CMYK	0.09, 0.07, 0.00, 0.02
HSL	226°, 65%, 93%
HSV	226°, 9%, 98%
XYZ	77.6380, 80.8837, 101.1371
YIQ	232.4430, -8.4370, 4.2270

Conversions

Conversions Part 2

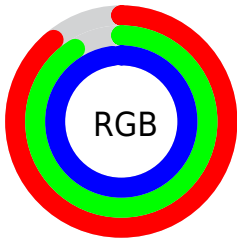
Format	Color
R _Y B	227, 231, 249
Decimal	14936313
CIE Lab	92.08, 1.53, -8.80
CIE LCh	92, 8.928, 279.874
Yxy	80.8837, 0.2990, 0.3115
Android (android.graphics.Color)	4293126393 (0xFFE3E8F9)
YUV	232.4430, 8.1626, -4.7735
Hunter-Lab	89.9354, -3.2943, -3.7200

Details

The Yxy color **80.8837, 0.2990, 0.3115** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.3975, 0.3264, 0.3459**, and the grayscale version is **80.9917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6716, 0.2959, 0.3065** is the 20% darker color. If you saturate the color by 10%, you get **66.8716, 0.2821, 0.2893**, and if you desaturate by 10%, it is **96.6762, 0.3145, 0.3312**.

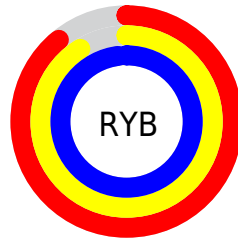
Distribution



Red (89%)

Green (91%)

Blue (98%)



Red (89%)

Yellow (91%)

Blue (98%)

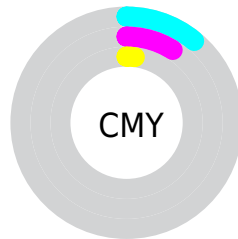


Cyan (9%)

Magenta (7%)

Yellow (0%)

Black (2%)



Cyan (11%)

Magenta (9%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8837, 0.2990, 0.3115 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 80.8837, 0.2990, 0.3115 by changing the saturation by 10% instead.

80.8837, 0.2990,
0.3115

80.8837, 0.2990,
0.3115

497.9060, 0.3052,
0.3194

60.4458, 0.2976,
0.3097

134.6075, 0.3011,
0.3142

43.7781, 0.2959,
0.3076

168.6621, 0.3020,
0.3153

30.4961, 0.2938,
0.3049

208.0245, 0.3027,
0.3162

20.2154, 0.2910,
0.3014

253.0790, 0.3033,
0.3170

12.5517, 0.2873,
0.2968

304.2100, 0.3039,
0.3177

7.1206, 0.2820,
0.2903

361.8019, 0.3044,

3.5376, 0.2741,

0.3183

0.2805

426.2391, 0.3048,
0.3189

■ 1.4184, 0.2609,
0.2643

■ 0.2303, 0.1895,
0.1703

■ 80.8837, 0.2990,
0.3115

■ 80.8837, 0.2990,
0.3115

■ 66.8716, 0.2821,
0.2893

■ 96.6762, 0.3145,
0.3312

■ 54.5666, 0.2640,
0.2645

■ 99.6192, 0.3162,
0.3347

■ 43.9050, 0.2449,
0.2375

■ 34.8154, 0.2256,
0.2087

■ 27.2210, 0.2068,
0.1793

■ 21.0378, 0.1896,
0.1505

■ 16.1735, 0.1750,
0.1239

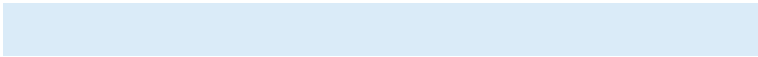
■ 12.5229, 0.1639,
0.1012

■ 9.9527, 0.1567,
0.0835

Harmonies

Analogous

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



80.8837, 0.2935, 0.3150



80.8837, 0.2990, 0.3115



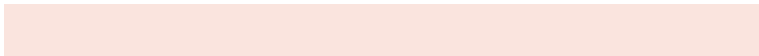
80.8837, 0.3082, 0.3126

Triad

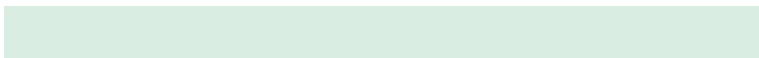
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8837, 0.2990, 0.3115



80.8837, 0.3327, 0.3351



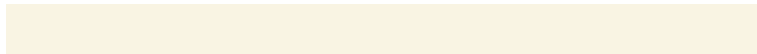
80.8837, 0.3066, 0.3406

Complementary

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



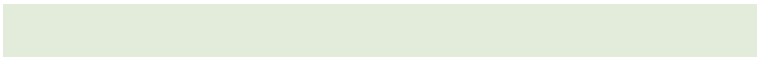
80.8837, 0.2990, 0.3115



90.3975, 0.3264, 0.3459

Split Complementary

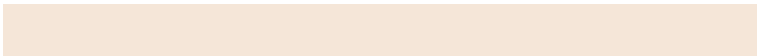
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.8837, 0.3170, 0.3461



80.8837, 0.2990, 0.3115



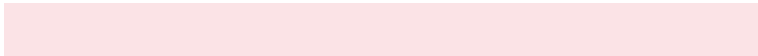
80.8837, 0.3322, 0.3427

Square

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



80.8837, 0.2990, 0.3115



80.8837, 0.3277, 0.3260



80.8837, 0.3264, 0.3469



80.8837, 0.2979, 0.3318

Rectangle

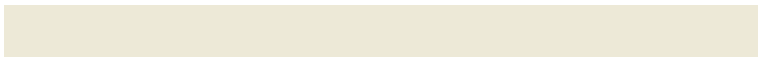
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



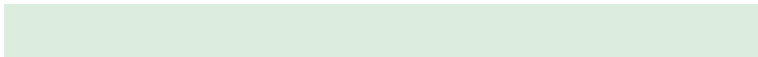
80.8837, 0.2990, 0.3115



80.8837, 0.3152, 0.3157



80.8837, 0.3264, 0.3469



80.8837, 0.3100, 0.3429

Sweetspot

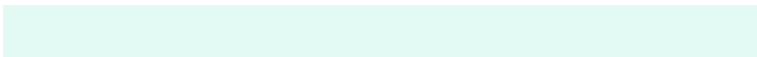
The Sweet Spot groups the original color and five complimentary colors.



80.8871, 0.2990, 0.3115



94.8606, 0.3082, 0.3233



90.6062, 0.3020, 0.3342



20.0163, 0.3069, 0.3217



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.



80.8871, 0.2990, 0.3115



81.9933, 0.2954, 0.3069



79.0933, 0.3029, 0.3066



17.2808, 0.2979, 0.3101



5.3708, 0.1567, 0.0841



0.6495, 0.1626, 0.1053

Inverse Universe

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



80.9154, 0.3248, 0.3240



82.0715, 0.3282, 0.3228



92.3741, 0.3220, 0.3510



17.2896, 0.3258, 0.3236



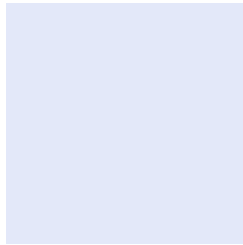
10.9531, 0.6004, 0.3081



1.0298, 0.5679, 0.2902

Previews

White Background



This preview shows how the Yxy color 80.8837, 0.2990, 0.3115 looks on a white background.

Color Contrast Check

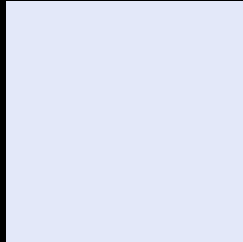
Large Text (above 18pt) WCAG AA × Fail

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 80.8837, 0.2990, 0.3115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

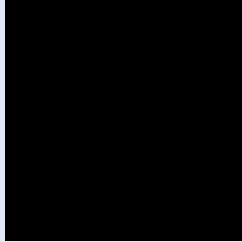
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

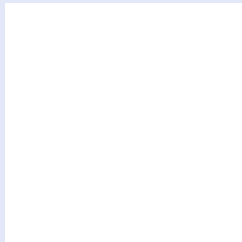
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8837, 0.2990, 0.3115

Background



This preview shows how black text looks on a background with the Yxy color 80.8837, 0.2990, 0.3115.



This preview shows how white text looks on a background with the Yxy color 80.8837, 0.2990, 0.3115.

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

80.8837, 0.2990, 0.3115

Protanopia

81.0849, 0.3029, 0.3116

Deuteranopia

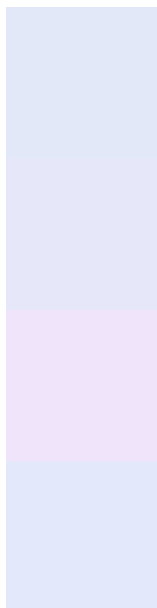
80.8877, 0.3111, 0.3052



Tritanopia

80.9462, 0.2984, 0.3105

Trichromacy



Original Color

80.8837, 0.2990, 0.3115

Protanomaly

80.7521, 0.3015, 0.3116

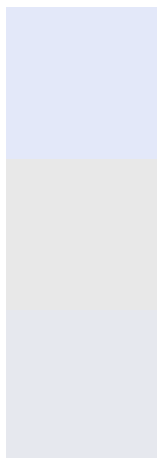
Deuteranomaly

80.7397, 0.3063, 0.3069

Tritanomaly

80.9462, 0.2984, 0.3105

Monochromacy



Original Color

80.8837, 0.2990, 0.3115

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.7093, 0.3076, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8837, 0.2990, 0.3115 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, 232, 249)` looks like.

```
.text, #text, p{  
    color:rgb(227, 232, 249)  
}
```

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, 232, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 232, 249) }
```

Border

The CSS property to change the border of an element to Yxy 80.8837, 0.2990, 0.3115 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, 232, 249) }
```

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

```
.border{ border-color:rgb(227, 232, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 232, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 232, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 232, 249); box-shadow:4px 4px 4px 4px rgb(227, 232, 249) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8837, 0.2990, 0.3115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 232, 249) }
```

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

```
.background{ background-color: rgb(227,  
232, 249) }
```

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