

Converting Colors

$Y_{xy}(80.8811, 0.2973, 0.3247)$

Have a look what the booklet for
Yxy(80.8811, 0.2973, 0.3247)
contains.

Yxy(80.8811, 0.2973, 0.3247)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.8811, 0.2973, 0.3247)

Conversions

Conversions Part 1

Format	Color
Hex	D8ECF0
RGB	216, 236, 240
RGB Percent	85%, 93%, 94%
CMY	0.1527, 0.0746, 0.0588
CMYK	0.10, 0.02, 0.00, 0.06
HSL	190°, 44%, 89%
HSV	190°, 10%, 94%
XYZ	74.0559, 80.8811, 94.1579
YIQ	230.4760, -13.2040, -2.9960

Conversions

Conversions Part 2

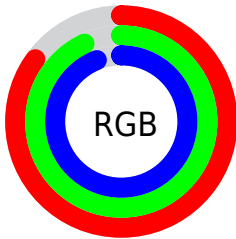
Format	Color
R _Y B	216, 227, 240
Decimal	14216432
CIE Lab	92.08, -5.77, -4.20
CIE LCh	92, 7.134, 216.081
Yxy	80.8811, 0.2973, 0.3247
Android (android.graphics.Color)	4292406512 (0xFFD8ECF0)
YUV	230.4760, 4.6953, -12.6955
Hunter-Lab	89.9339, -10.3989, 0.8791

Details

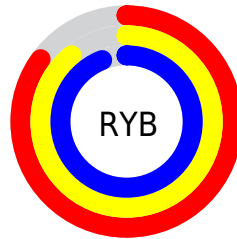
The Yxy color **80.8811, 0.2973, 0.3247** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.7181, 0.3299, 0.3333**, and the grayscale version is **79.4822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6803, 0.2938, 0.3235** is the 20% darker color. If you saturate the color by 10%, you get **75.1943, 0.2823, 0.3200**, and if you desaturate by 10%, it is **87.1611, 0.3127, 0.3290**.

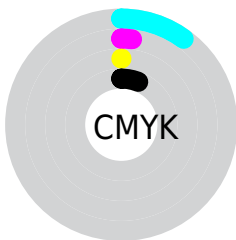
Distribution



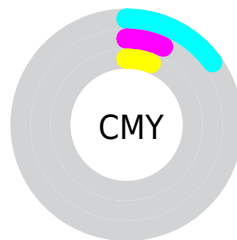
- Red (85%)
- Green (93%)
- Blue (94%)



- Red (85%)
- Yellow (89%)
- Blue (94%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (6%)



- Cyan (15%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8811, 0.2973, 0.3247 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 80.8811, 0.2973, 0.3247 by changing the saturation by 10% instead.

80.8811, 0.2973,
0.3247

80.8811, 0.2973,
0.3247

497.8973, 0.3043,
0.3267

60.4437, 0.2957,
0.3242

134.6038, 0.2997,
0.3254

43.7764, 0.2938,
0.3237

168.6579, 0.3006,
0.3257

30.4947, 0.2914,
0.3230

208.0196, 0.3014,
0.3259

20.2144, 0.2884,
0.3220

253.0734, 0.3021,
0.3261

12.5510, 0.2843,
0.3207

304.2037, 0.3028,
0.3263

7.1201, 0.2785,
0.3189

361.7948, 0.3033,

3.5373, 0.2697,

0.3264

0.3159

426.2312, 0.3038,
0.3266

■ 1.4183, 0.2551,
0.3107

■ 0.2301, 0.0915,
0.2700

■ 80.8811, 0.2973,
0.3247

■ 80.8811, 0.2973,
0.3247

■ 75.1943, 0.2823,
0.3200

■ 87.1611, 0.3127,
0.3290

■ 70.0672, 0.2679,
0.3149

■ 92.2875, 0.3223,
0.3330

■ 65.4780, 0.2546,
0.3094

■ 94.7422, 0.3220,
0.3368

■ 61.3997, 0.2426,
0.3037

■ 97.2503, 0.3217,
0.3407

■ 57.8026, 0.2322,
0.2978

■ 99.0722, 0.3214,
0.3434

■ 54.6535, 0.2236,
0.2917

■ 51.9146, 0.2170,
0.2856

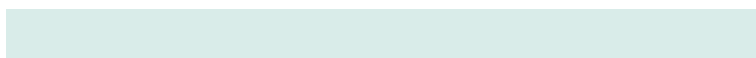
■ 49.5410, 0.2124,
0.2796

■ 47.4574, 0.2093,
0.2736

Harmonies

Analogous

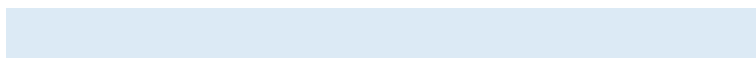
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8811, 0.3016, 0.3322



80.8811, 0.2973, 0.3247



80.8811, 0.2971, 0.3185

Triad

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



80.8811, 0.2973, 0.3247



80.8811, 0.3165, 0.3194



80.8811, 0.3245, 0.3431

Complementary

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



80.8811, 0.2973, 0.3247



74.7181, 0.3299, 0.3333

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.



80.8811, 0.3286, 0.3394



80.8811, 0.2973, 0.3247



80.8811, 0.3239, 0.3257

Square

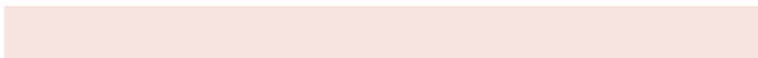
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



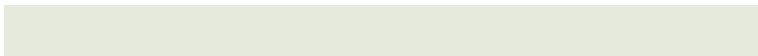
80.8811, 0.2973, 0.3247



80.8811, 0.3081, 0.3155



80.8811, 0.3284, 0.3330



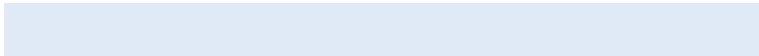
80.8811, 0.3172, 0.3430

Rectangle

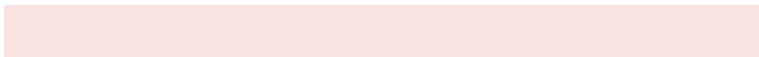
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



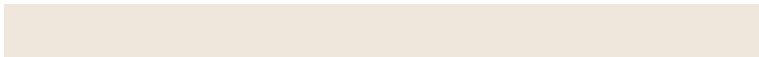
80.8811, 0.2973, 0.3247



80.8811, 0.2993, 0.3159



80.8811, 0.3284, 0.3330



80.8811, 0.3263, 0.3422

Sweetspot

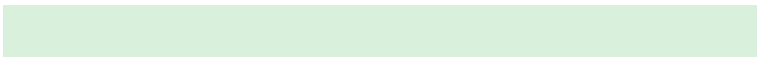
The Sweet Spot groups the original color and five complimentary colors.



80.8845, 0.2973, 0.3247



97.7604, 0.3080, 0.3277



82.1069, 0.3091, 0.3504



20.7989, 0.3068, 0.3274



0.0000, 0.0000, 0.0000



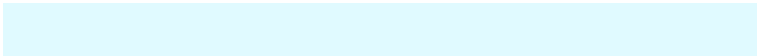
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8845, 0.2973, 0.3247



91.4142, 0.2942, 0.3238



74.2335, 0.2972, 0.3119



17.4504, 0.2981, 0.3249



26.1437, 0.2096, 0.2745



2.2935, 0.2118, 0.2825

Inverse Universe

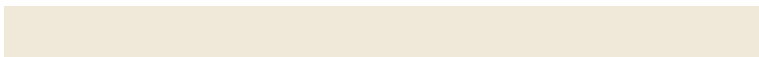
The Inverse Universe completely reimagines the original color for something new.



73.7236, 0.3166, 0.3085



81.6798, 0.3174, 0.3042



81.2185, 0.3285, 0.3456



15.9831, 0.3164, 0.3096



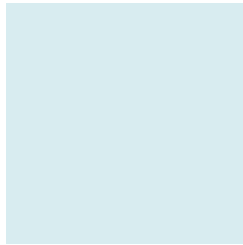
12.4326, 0.3685, 0.1804



1.0462, 0.3612, 0.1763

Previews

White Background



This preview shows how the Yxy color 80.8811, 0.2973, 0.3247 looks on a white background.

Color Contrast Check

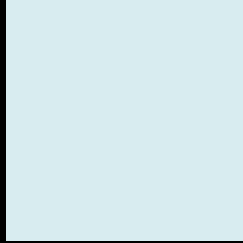
Large Text (above 18pt) WCAG AA × Fail

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 80.8811, 0.2973, 0.3247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

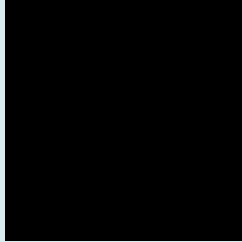
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

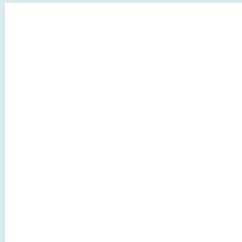
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8811, 0.2973, 0.3247

Background



This preview shows how black text looks on a background with the Yxy color 80.8811, 0.2973, 0.3247.

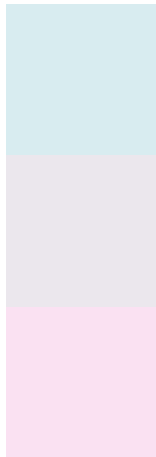


This preview shows how white text looks on a background with the Yxy color 80.8811, 0.2973, 0.3247.

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

80.8811, 0.2973, 0.3247

Protanopia

80.9284, 0.3116, 0.3228

Deuteranopia

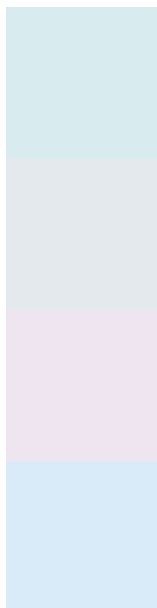
80.5852, 0.3191, 0.3121



Tritanopia

80.8429, 0.2910, 0.3092

Trichromacy



Original Color

80.8811, 0.2973, 0.3247

Protanomaly

80.9449, 0.3063, 0.3238

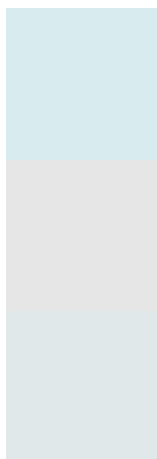
Deuteranomaly

80.5666, 0.3112, 0.3168

Tritanomaly

80.9457, 0.2932, 0.3154

Monochromacy



Original Color

80.8811, 0.2973, 0.3247

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.6613, 0.3068, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8811, 0.2973, 0.3247 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(216, 236, 240)` looks like.

```
.text, #text, p{  
    color:rgb(216, 236, 240)  
}
```

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(216, 236, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 236, 240) }
```

Border

The CSS property to change the border of an element to Yxy 80.8811, 0.2973, 0.3247 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(216, 236, 240) }
```

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

```
.border{ border-color:rgb(216, 236, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 236, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 236, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 236, 240);  
box-shadow:4px 4px 4px 4px rgb(216, 236,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8811, 0.2973, 0.3247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 236, 240) }
```

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

```
.background{ background-color: rgb(216,  
236, 240) }
```

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