

Converting Colors

$Yxy(83.4837, 0.2877, 0.3127)$

Have a look what the booklet for
Yxy(83.4837, 0.2877, 0.3127)
contains.

Yxy(83.2491, 0.2876, 0.3123)	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(83.2491, 0.2876, 0.3123)

Conversions

Conversions Part 1

Format	Color
Hex	D6EFFF
RGB	214, 239, 255
RGB Percent	84%, 94%, 100%
CMY	0.1605, 0.0628, 0.0000
CMYK	0.16, 0.06, 0.00, 0.00
HSL	203°, 100%, 92%
HSV	203°, 16%, 100%
XYZ	76.6649, 83.2491, 106.6537
YIQ	233.3490, -20.0360, -0.3240

Conversions

Conversions Part 2

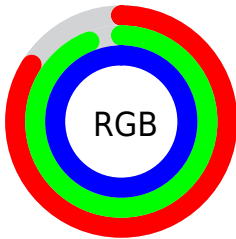
Format	Color
R _Y B	214, 230, 255
Decimal	14086143
CIE Lab	93.12, -4.93, -10.48
CIE LCh	93, 11.582, 244.821
Yxy	83.2491, 0.2876, 0.3123
Android (android.graphics.Color)	4292276223 (0xFFD6EFFF)
YUV	233.3490, 10.6739, -16.9691
Hunter-Lab	91.2409, -9.6877, -5.4369

Details

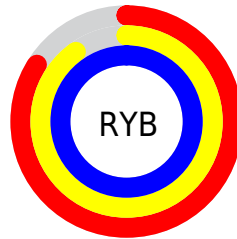
The Yxy color **83.2491, 0.2876, 0.3123** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.7576, 0.3407, 0.3451**, and the grayscale version is **81.7001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3151, 0.2823, 0.3088** is the 20% darker color. If you saturate the color by 10%, you get **74.0275, 0.2718, 0.3005**, and if you desaturate by 10%, it is **93.3977, 0.3034, 0.3230**.

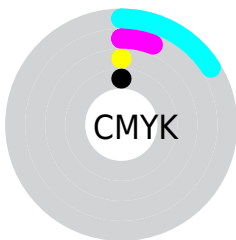
Distribution



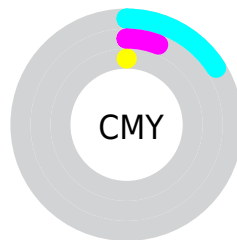
- Red (84%)
- Green (94%)
- Blue (100%)



- Red (84%)
- Yellow (90%)
- Blue (100%)



- Cyan (16%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2491, 0.2876, 0.3123 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 83.2491, 0.2876, 0.3123 by changing the saturation by 10% instead.

83.2491, 0.2876,
0.3123

83.2491, 0.2876,
0.3123

505.8163, 0.2989,
0.3199

62.3957, 0.2851,
0.3106

137.9243, 0.2914,
0.3149

45.3525, 0.2821,
0.3085

172.5148, 0.2930,
0.3159

31.7352, 0.2783,
0.3059

212.4532, 0.2943,
0.3168

21.1593, 0.2735,
0.3025

258.1238, 0.2954,
0.3176

13.2405, 0.2670,
0.2979

309.9110, 0.2964,
0.3183

7.5944, 0.2581,
0.2915

368.1993, 0.2973,

3.8365, 0.2450,

0.3189

0.2818

433.3729, 0.2981,
0.3194

■ 1.5825, 0.2238,
0.2655

■ 0.3458, 0.1247,
0.2069

■ 83.2491, 0.2876,
0.3123

■ 83.2491, 0.2876,
0.3123

■ 74.0275, 0.2718,
0.3005

■ 93.3977, 0.3034,
0.3230

■ 65.6940, 0.2562,
0.2876

100.0000, 0.3127,
0.3290

■ 58.2152, 0.2411,
0.2738

■ 51.5530, 0.2271,
0.2592

■ 45.6654, 0.2146,
0.2440

■ 40.5056, 0.2039,
0.2286

■ 36.0195, 0.1953,
0.2134

■ 32.1413, 0.1890,
0.1985

■ 30.7413, 0.1869,
0.1927

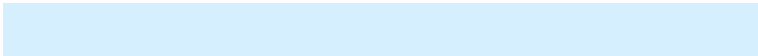
Harmonies

Analogous

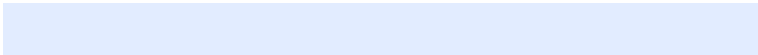
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2491, 0.2882, 0.3224



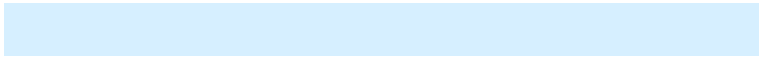
83.2491, 0.2876, 0.3123



83.2491, 0.2935, 0.3069

Triad

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



83.2491, 0.2876, 0.3123



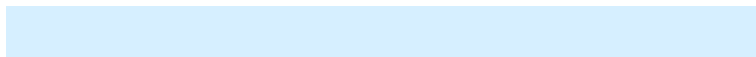
83.2491, 0.3304, 0.3232



83.2491, 0.3204, 0.3518

Complementary

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



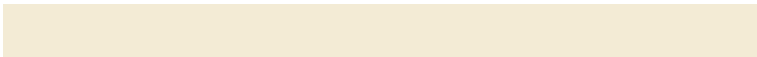
83.2491, 0.2876, 0.3123



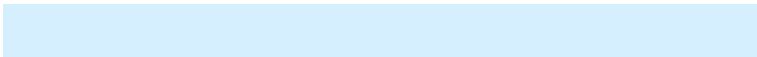
82.7576, 0.3407, 0.3451

Split Complementary

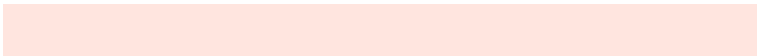
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2491, 0.3320, 0.3515



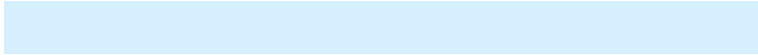
83.2491, 0.2876, 0.3123



83.2491, 0.3379, 0.3348

Square

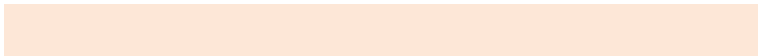
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



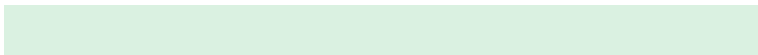
83.2491, 0.2876, 0.3123



83.2491, 0.3181, 0.3133



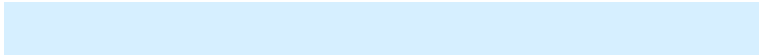
83.2491, 0.3385, 0.3451



83.2491, 0.3070, 0.3456

Rectangle

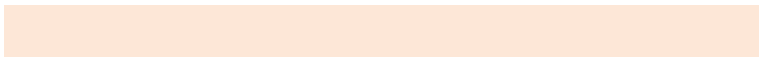
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.2491, 0.2876, 0.3123



83.2491, 0.3005, 0.3066



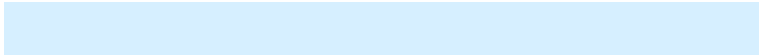
83.2491, 0.3385, 0.3451



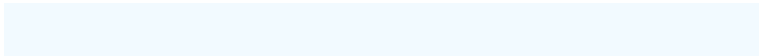
83.2491, 0.3247, 0.3524

Sweetspot

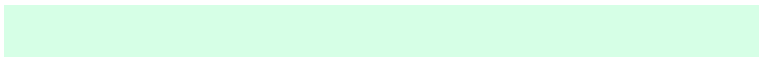
The Sweet Spot groups the original color and five complimentary colors.



83.2511, 0.2876, 0.3123



94.5201, 0.3050, 0.3241



91.5259, 0.3019, 0.3554



20.0705, 0.3039, 0.3234



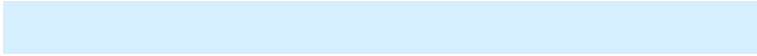
0.0000, 0.0000, 0.0000



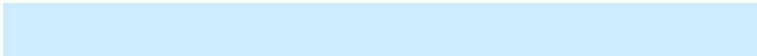
21.4041, 0.3127, 0.3290

Same Dimension

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



83.2511, 0.2876, 0.3123



80.4374, 0.2829, 0.3090



72.1075, 0.2867, 0.2908



19.2184, 0.2979, 0.3195



16.3620, 0.1875, 0.1951



1.8058, 0.1922, 0.2120

Inverse Universe

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



75.6185, 0.3255, 0.3043



71.7266, 0.3283, 0.2996



94.6293, 0.3376, 0.3645



18.1729, 0.3198, 0.3146



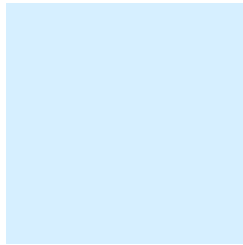
12.3797, 0.4508, 0.2257



1.2268, 0.4319, 0.2153

Previews

White Background



This preview shows how the Yxy color 83.2491, 0.2876, 0.3123 looks on a white background.

Color Contrast Check

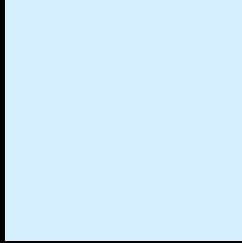
Large Text (above 18pt) WCAG AA × Fail

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 83.2491, 0.2876, 0.3123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

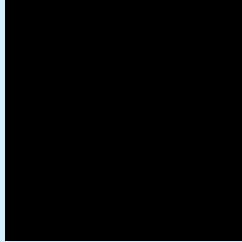
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

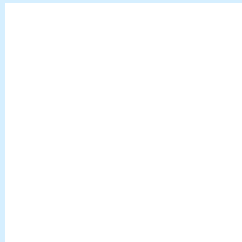
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.2491, 0.2876, 0.3123

Background



This preview shows how black text looks on a background with the Yxy color 83.2491, 0.2876, 0.3123.

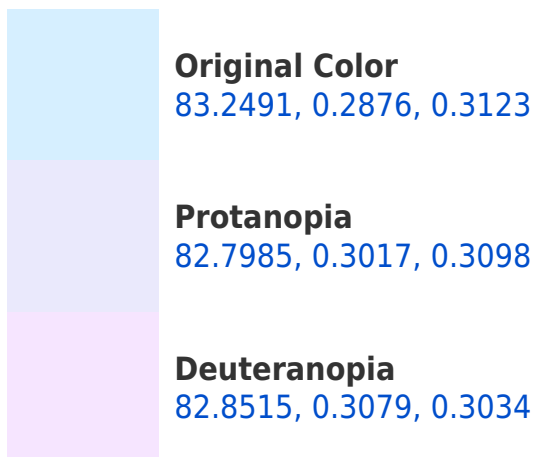


This preview shows how white text looks on a background with the Yxy color 83.2491, 0.2876, 0.3123.

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





Tritanopia

83.1208, 0.2894, 0.3114

Trichromacy



Original Color

83.2491, 0.2876, 0.3123

Protanomaly

82.8394, 0.2966, 0.3106

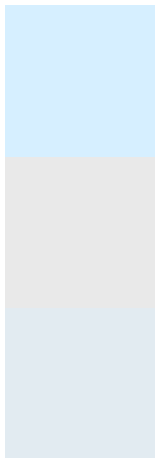
Deuteranomaly

82.9903, 0.2999, 0.3068

Tritanomaly

82.9680, 0.2887, 0.3113

Monochromacy



Original Color

83.2491, 0.2876, 0.3123

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.9363, 0.3031, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2491, 0.2876, 0.3123 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(214, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 239, 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(214, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.2491, 0.2876, 0.3123 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(214, 239, 255) }
```

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

```
.border{ border-color:rgb(214, 239, 255) }
```

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

Here you see how a box with a 4 pixel rgb(214, 239, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2491, 0.2876, 0.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 239, 255) }
```

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

```
.background{ background-color: rgb(214,  
239, 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