

Converting Colors

$Yxy(83.4347, 0.3080, 0.3485)$

Have a look what the booklet for
Yxy(83.4347, 0.3080, 0.3485)
contains.

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Color

Yxy(83.5837, 0.3079, 0.3492)

Conversions

Conversions Part 1

Format	Color
Hex	D9F2DF
RGB	217, 242, 223
RGB Percent	85%, 95%, 87%
CMY	0.1488, 0.0510, 0.1254
CMYK	0.10, 0.00, 0.08, 0.05
HSL	134°, 49%, 90%
HSV	134°, 10%, 95%
XYZ	73.6982, 83.5837, 82.0757
YIQ	232.3590, -8.8010, -11.2090

Conversions

Conversions Part 2

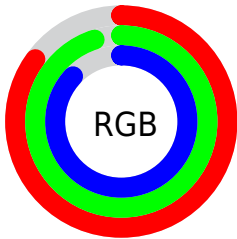
Format	Color
R _Y B	217, 237, 242
Decimal	14283487
CIE Lab	93.27, -11.64, 6.38
CIE LCh	93, 13.272, 151.282
Yxy	83.5837, 0.3079, 0.3492
Android (android.graphics.Color)	4292473567 (0xFFD9F2DF)
YUV	232.3590, -4.6140, -13.4698
Hunter-Lab	91.4241, -16.1009, 10.7695

Details

The Yxy color **83.5837, 0.3079, 0.3492** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.5811, 0.3179, 0.3096**, and the grayscale version is **81.0273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6263, 0.3066, 0.3539** is the 20% darker color. If you saturate the color by 10%, you get **79.2065, 0.3032, 0.3714**, and if you desaturate by 10%, it is **88.6196, 0.3126, 0.3296**.

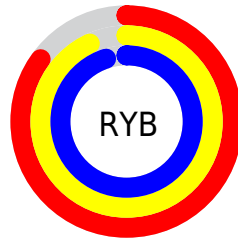
Distribution



Red (85%)

Green (95%)

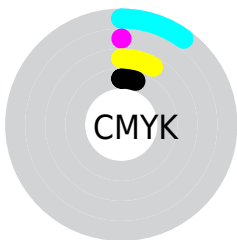
Blue (87%)



Red (85%)

Yellow (93%)

Blue (95%)

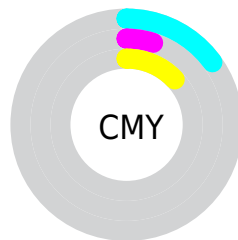


Cyan (10%)

Magenta (0%)

Yellow (8%)

Black (5%)



Cyan (15%)

Magenta (5%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5837, 0.3079, 0.3492 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 83.5837, 0.3079, 0.3492 by changing the saturation by 10% instead.

83.5837, 0.3079,
0.3492

83.5837, 0.3079,
0.3492

506.9298, 0.3101,
0.3399

62.6718, 0.3074,
0.3513

138.3927, 0.3087,
0.3460

45.5757, 0.3067,
0.3539

173.0585, 0.3090,
0.3448

31.9112, 0.3059,
0.3571

213.0779, 0.3092,
0.3437

21.2937, 0.3049,
0.3614

258.8350, 0.3095,
0.3427

13.3388, 0.3034,
0.3671

310.7144, 0.3097,
0.3419

7.6623, 0.3013,
0.3754

369.1003, 0.3098,

3.8796, 0.2979,

0.3412

0.3881

434.3774, 0.3100,
0.3405

■ 1.6064, 0.2917,
0.4104

■ 0.3619, 0.1419,
0.8581

■ 83.5837, 0.3079,
0.3492

■ 83.5837, 0.3079,
0.3492

■ 79.2065, 0.3032,
0.3714

■ 88.6196, 0.3126,
0.3296

■ 75.4504, 0.2988,
0.3960

■ 91.9799, 0.3133,
0.3165

■ 72.2900, 0.2947,
0.4229

■ 69.6941, 0.2914,
0.4515

■ 67.6286, 0.2891,
0.4807

■ 66.0556, 0.2881,
0.5092

■ 64.9320, 0.2885,
0.5355

■ 64.2068, 0.2904,
0.5580

■ 63.8053, 0.2931,
0.5752

Harmonies

Analogous

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



83.5837, 0.3233, 0.3555



83.5837, 0.3079, 0.3492



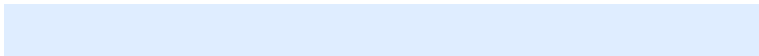
83.5837, 0.2941, 0.3371

Triad

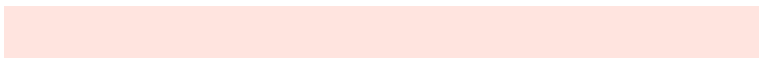
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5837, 0.3079, 0.3492



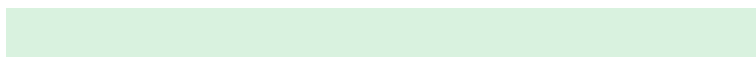
83.5837, 0.2896, 0.3042



83.5837, 0.3409, 0.3339

Complementary

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



83.5837, 0.3079, 0.3492



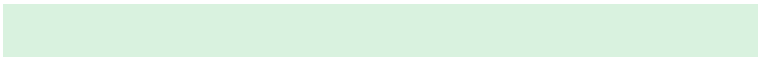
74.5811, 0.3179, 0.3096

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.



83.5837, 0.3315, 0.3208



83.5837, 0.3079, 0.3492



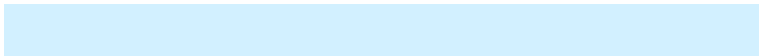
83.5837, 0.3017, 0.3039

Square

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



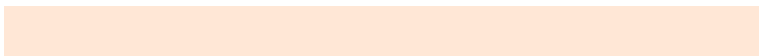
83.5837, 0.3079, 0.3492



83.5837, 0.2837, 0.3110



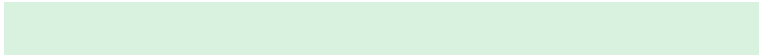
83.5837, 0.3170, 0.3100



83.5837, 0.3426, 0.3462

Rectangle

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



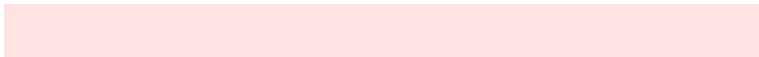
83.5837, 0.3079, 0.3492



83.5837, 0.2875, 0.3276



83.5837, 0.3170, 0.3100



83.5837, 0.3385, 0.3295

Sweetspot

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



83.5873, 0.3079, 0.3492



98.2089, 0.3113, 0.3346



86.3741, 0.3242, 0.3547



20.9208, 0.3109, 0.3362



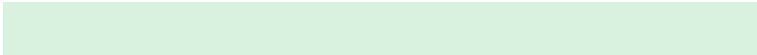
0.0000, 0.0000, 0.0000



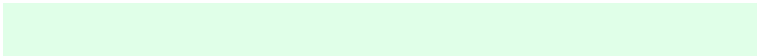
21.4041, 0.3127, 0.3290

Same Dimension

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



83.5873, 0.3079, 0.3492



93.2423, 0.3071, 0.3528



84.2761, 0.3007, 0.3360



17.7185, 0.3083, 0.3475



34.2969, 0.2924, 0.5727



2.8683, 0.2856, 0.5480

Inverse Universe

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



74.5811, 0.3179, 0.3096



81.5432, 0.3189, 0.3063



73.8895, 0.3263, 0.3221



15.9629, 0.3175, 0.3112



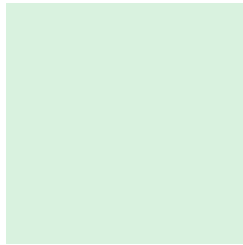
12.0227, 0.3926, 0.1936



1.0155, 0.3811, 0.1873

Previews

White Background



This preview shows how the Yxy color 83.5837, 0.3079, 0.3492 looks on a white background.

Color Contrast Check

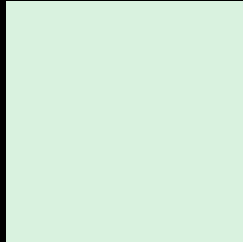
Large Text (above 18pt) WCAG AA × Fail

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 83.5837, 0.3079, 0.3492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

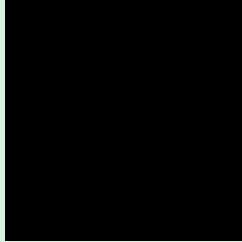
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

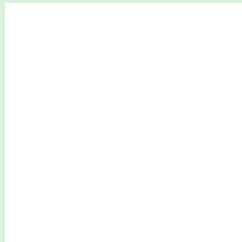
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.5837, 0.3079, 0.3492

Background



This preview shows how black text looks on a background with the Yxy color 83.5837, 0.3079, 0.3492.

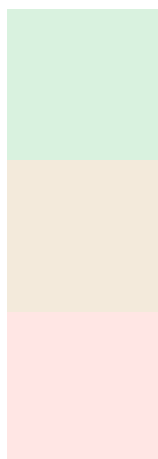


This preview shows how white text looks on a background with the Yxy color 83.5837, 0.3079, 0.3492.

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

83.5837, 0.3079, 0.3492

Protanopia

83.0148, 0.3284, 0.3444

Deuteranopia

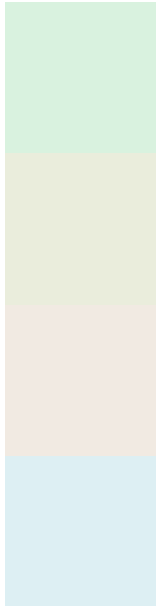
83.4551, 0.3314, 0.3310



Tritanopia

83.4763, 0.2930, 0.3105

Trichromacy



Original Color

83.5837, 0.3079, 0.3492

Protanomaly

83.2281, 0.3213, 0.3467

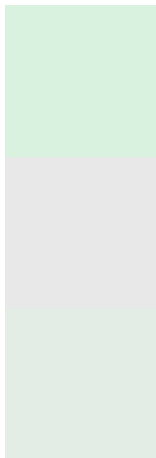
Deuteranomaly

83.0374, 0.3225, 0.3372

Tritanomaly

83.5762, 0.2987, 0.3248

Monochromacy



Original Color

83.5837, 0.3079, 0.3492

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.9789, 0.3110, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5837, 0.3079, 0.3492 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(217, 242, 223)` looks like.

```
.text, #text, p{  
    color:rgb(217, 242, 223)  
}
```

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(217, 242, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 242, 223) }
```

Border

The CSS property to change the border of an element to Yxy 83.5837, 0.3079, 0.3492 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(217, 242, 223) }
```

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

```
.border{ border-color:rgb(217, 242, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 242, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 242, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 242, 223);  
box-shadow:4px 4px 4px 4px rgb(217, 242,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5837, 0.3079, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 242, 223) }
```

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

```
.background{ background-color: rgb(217,  
242, 223) }
```

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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