

Converting Colors

$Yxy(83.4233, 0.3097, 0.3525)$

Have a look what the booklet for
Yxy(83.4233, 0.3097, 0.3525)
contains.

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Color

Yxy(83.4233, 0.3097, 0.3525)

Conversions

Conversions Part 1

Format	Color
Hex	D9F2DC
RGB	217, 242, 220
RGB Percent	85%, 95%, 86%
CMY	0.1488, 0.0510, 0.1373
CMYK	0.10, 0.00, 0.09, 0.05
HSL	127°, 49%, 90%
HSV	127°, 10%, 95%
XYZ	73.2942, 83.4233, 79.9444
YIQ	232.0170, -7.8380, -12.1420

Conversions

Conversions Part 2

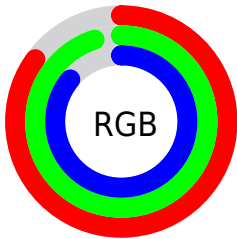
Format	Color
R_{YB}	217, 239, 242
Decimal	14283484
CIE _{Lab}	93.20, -12.18, 7.85
CIE _{LCh}	93, 14.488, 147.210
Yxy	83.4233, 0.3097, 0.3525
Android (android.graphics.Color)	4292473564 (0xFFD9F2DC)
YUV	232.0170, -5.9244, -13.1699
Hunter-Lab	91.3364, -16.5987, 12.0404

Details

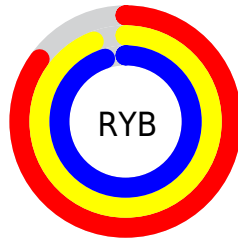
The Yxy color **83.4233, 0.3097, 0.3525** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.7592, 0.3159, 0.3066**, and the grayscale version is **80.7658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5158, 0.3089, 0.3582** is the 20% darker color. If you saturate the color by 10%, you get **78.9260, 0.3067, 0.3784**, and if you desaturate by 10%, it is **88.6158, 0.3126, 0.3297**.

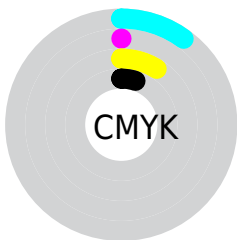
Distribution



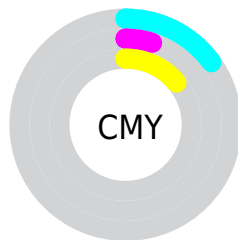
- Red (85%)
- Green (95%)
- Blue (86%)



- Red (85%)
- Yellow (94%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (9%)
- Black (5%)



- Cyan (15%)
- Magenta (5%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.4233, 0.3097, 0.3525 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 83.4233, 0.3097, 0.3525 by changing the saturation by 10% instead.


 83.4233, 0.3097,
0.3525

 83.4233, 0.3097,
0.3525


506.3962, 0.3112,
0.3417

 62.5394, 0.3094,
0.3550

138.1682, 0.3102,
0.3488

 45.4687, 0.3089,
0.3580


172.7979, 0.3104,
0.3473

 31.8268, 0.3084,
0.3618


212.7785, 0.3106,
0.3461

 21.2292, 0.3076,
0.3668

258.4941, 0.3107,
0.3450

 13.2917, 0.3066,
0.3735

310.3294, 0.3109,
0.3440

 7.6297, 0.3050,
0.3832

368.6685, 0.3110,

 3.8589, 0.3024,

0.3431

433.8960, 0.3111,
0.3424

0.3982

■ 1.5950, 0.2974,
0.4246

■ 0.3542, 0.1000,
0.9000

■ 83.4233, 0.3097,
0.3525

■ 83.4233, 0.3097,
0.3525

■ 78.9260, 0.3067,
0.3784

■ 88.6158, 0.3126,
0.3297

■ 75.0843, 0.3037,
0.4072

■ 91.9815, 0.3133,
0.3165

■ 71.8706, 0.3009,
0.4385

■ 69.2514, 0.2985,
0.4712

■ 67.1899, 0.2968,
0.5038

■ 65.6455, 0.2958,
0.5343

■ 64.5715, 0.2958,
0.5604

■ 63.9132, 0.2967,
0.5803

■ 63.5883, 0.2980,
0.5927

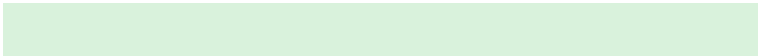
Harmonies

Analogous

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



83.4233, 0.3264, 0.3583



83.4233, 0.3097, 0.3525



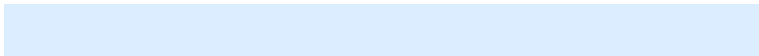
83.4233, 0.2942, 0.3399

Triad

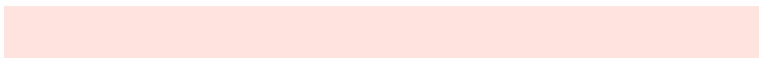
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.4233, 0.3097, 0.3525



83.4233, 0.2862, 0.3025



83.4233, 0.3426, 0.3324

Complementary

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



83.4233, 0.3097, 0.3525



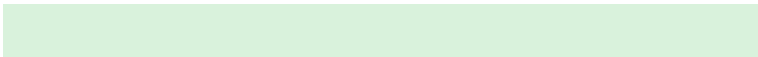
74.7592, 0.3159, 0.3066

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.



83.4233, 0.3313, 0.3183



83.4233, 0.3097, 0.3525



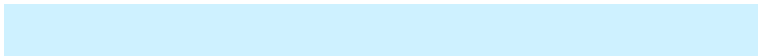
83.4233, 0.2986, 0.3013

Square

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



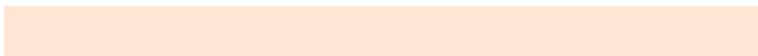
83.4233, 0.3097, 0.3525



83.4233, 0.2809, 0.3108



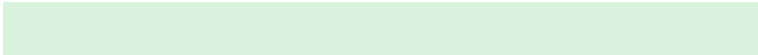
83.4233, 0.3151, 0.3070



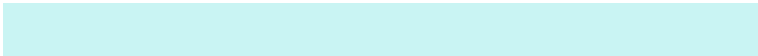
83.4233, 0.3456, 0.3461

Rectangle

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



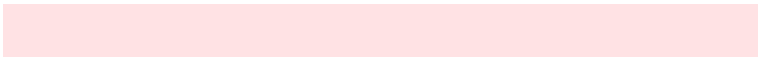
83.4233, 0.3097, 0.3525



83.4233, 0.2864, 0.3296



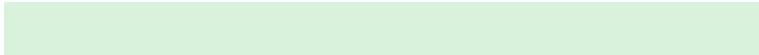
83.4233, 0.3151, 0.3070



83.4233, 0.3396, 0.3276

Sweetspot

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



83.4269, 0.3097, 0.3525



98.1510, 0.3118, 0.3355



86.8789, 0.3261, 0.3546



20.9052, 0.3116, 0.3373



0.0000, 0.0000, 0.0000



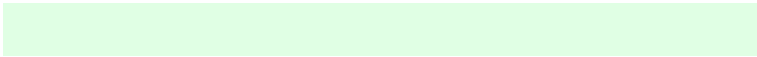
21.4041, 0.3127, 0.3290

Same Dimension

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



83.4269, 0.3097, 0.3525



93.0338, 0.3092, 0.3567



84.1105, 0.3024, 0.3391



17.6868, 0.3099, 0.3505



34.1719, 0.2975, 0.5912



2.8526, 0.2927, 0.5737

Inverse Universe

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



74.7592, 0.3159, 0.3066



81.7757, 0.3164, 0.3027



74.0490, 0.3243, 0.3192



15.9973, 0.3156, 0.3084



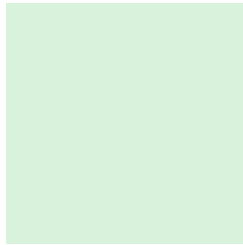
12.7456, 0.3532, 0.1719



1.0693, 0.3483, 0.1693

Previews

White Background



This preview shows how the Yxy color 83.4233, 0.3097, 0.3525 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 83.4233, 0.3097, 0.3525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

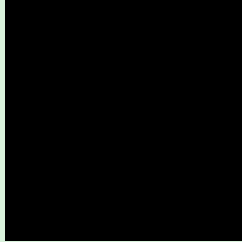
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

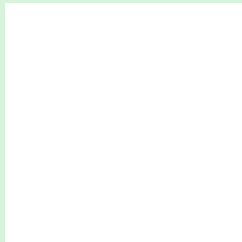
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4233, 0.3097, 0.3525

Background



This preview shows how black text looks on a background with the Yxy color 83.4233, 0.3097, 0.3525.

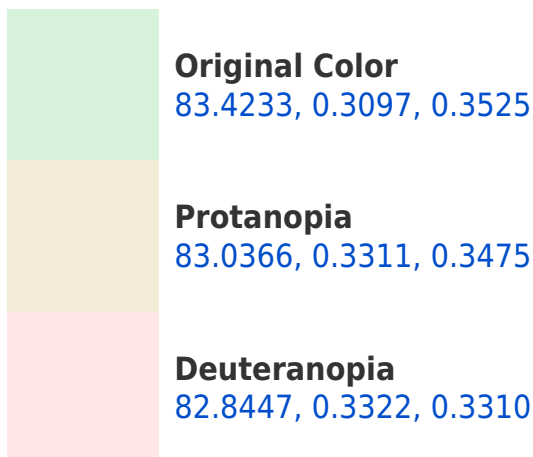


This preview shows how white text looks on a background with the Yxy color 83.4233, 0.3097, 0.3525.

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

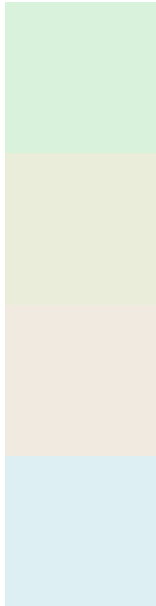




Tritanopia

83.4763, 0.2930, 0.3105

Trichromacy



Original Color

83.4233, 0.3097, 0.3525

Protanomaly

83.0706, 0.3232, 0.3499

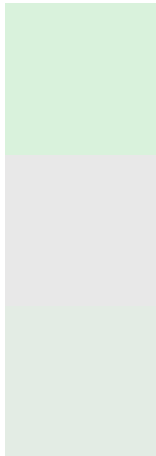
Deuteranomaly

82.9282, 0.3238, 0.3393

Tritanomaly

83.5160, 0.2993, 0.3258

Monochromacy



Original Color

83.4233, 0.3097, 0.3525

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.9232, 0.3117, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4233, 0.3097, 0.3525 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(217, 242, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 242, 220) }
```

Border

The CSS property to change the border of an element to Yxy 83.4233, 0.3097, 0.3525 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, 220) }
```

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

```
.border{ border-color:rgb(217, 242, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 242, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 242, 220);  
box-shadow:4px 4px 4px 4px rgb(217, 242,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4233, 0.3097, 0.3525 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, 220) }
```

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

```
.background{ background-color: rgb(217,  
242, 220) }
```

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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