

Converting Colors

$Yxy(83.6337, 0.3019, 0.3466)$

Have a look what the booklet for
Yxy(83.6337, 0.3019, 0.3466)
contains.

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Color

Yxy(83.4961, 0.3017, 0.3461)

Conversions

Conversions Part 1

Format	Color
Hex	D3F3E3
RGB	211, 243, 227
RGB Percent	83%, 95%, 89%
CMY	0.1725, 0.0471, 0.1097
CMYK	0.13, 0.00, 0.07, 0.05
HSL	150°, 57%, 89%
HSV	150°, 13%, 95%
XYZ	72.7847, 83.4961, 84.9677
YIQ	231.6080, -13.9360, -11.7600

Conversions

Conversions Part 2

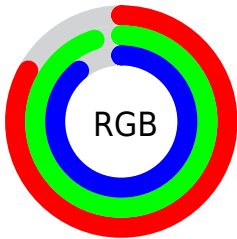
Format	Color
R _Y B	211, 232, 243
Decimal	13890531
CIE Lab	93.23, -13.38, 4.20
CIE LCh	93, 14.024, 162.581
Yxy	83.4961, 0.3017, 0.3461
Android (android.graphics.Color)	4292080611 (0xFFD3F3E3)
YUV	231.6080, -2.2717, -18.0732
Hunter-Lab	91.3762, -17.7262, 8.8315

Details

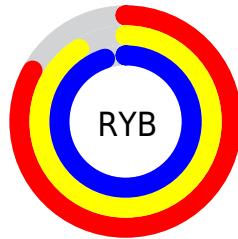
The Yxy color **83.4961, 0.3017, 0.3461** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.1963, 0.3254, 0.3125**, and the grayscale version is **80.4176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5871, 0.2988, 0.3499** is the 20% darker color. If you saturate the color by 10%, you get **79.5304, 0.2937, 0.3608**, and if you desaturate by 10%, it is **88.0586, 0.3100, 0.3329**.

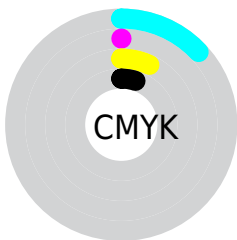
Distribution



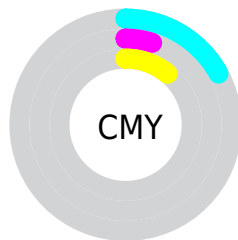
- Red (83%)
- Green (95%)
- Blue (89%)



- Red (83%)
- Yellow (91%)
- Blue (95%)



- Cyan (13%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)




- Cyan (17%)
- Magenta (5%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4961, 0.3017, 0.3461 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 83.4961, 0.3017, 0.3461 by changing the saturation by 10% instead.


 83.4961, 0.3017,
0.3461

 83.4961, 0.3017,
0.3461


506.6384, 0.3067,
0.3383

 62.5995, 0.3006,
0.3479


138.2701, 0.3034,
0.3434

 45.5173, 0.2992,
0.3500


172.9162, 0.3041,
0.3423

 31.8651, 0.2974,
0.3528


212.9144, 0.3047,
0.3414

 21.2585, 0.2952,
0.3564

258.6489, 0.3052,
0.3406

 13.3131, 0.2921,
0.3612

310.5041, 0.3057,
0.3399

 7.6445, 0.2877,
0.3681

368.8645, 0.3061,

 3.8683, 0.2811,

0.3393

0.3787

434.1145, 0.3064,
0.3388

■ 1.6002, 0.2696,
0.3972

■ 0.3577, 0.0286,
0.7659

■ 83.4961, 0.3017,
0.3461

■ 83.4961, 0.3017,
0.3461

■ 79.5304, 0.2937,
0.3608

■ 88.0586, 0.3100,
0.3329

■ 76.1258, 0.2862,
0.3771

■ 92.3453, 0.3155,
0.3210

■ 73.2585, 0.2796,
0.3946

■ 92.5813, 0.3133,
0.3175

■ 70.8994, 0.2743,
0.4134

■ 69.0158, 0.2705,
0.4329

■ 67.5718, 0.2686,
0.4527

■ 66.5254, 0.2687,
0.4724

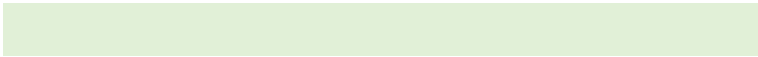
■ 65.8262, 0.2709,
0.4912

■ 65.4967, 0.2732,
0.5035

Harmonies

Analogous

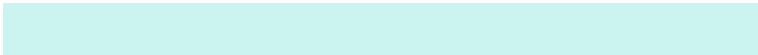
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4961, 0.3178, 0.3554



83.4961, 0.3017, 0.3461



83.4961, 0.2888, 0.3319

Triad

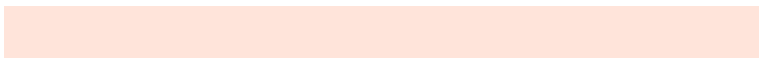
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.4961, 0.3017, 0.3461



83.4961, 0.2925, 0.3018



83.4961, 0.3442, 0.3394

Complementary

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



83.4961, 0.3017, 0.3461



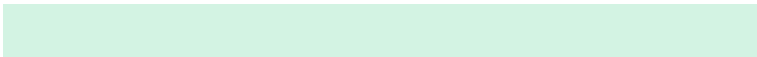
71.1963, 0.3254, 0.3125

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.



83.4961, 0.3371, 0.3255



83.4961, 0.3017, 0.3461



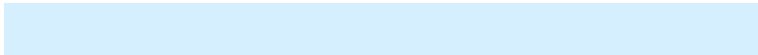
83.4961, 0.3070, 0.3042

Square

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



83.4961, 0.3017, 0.3461



83.4961, 0.2836, 0.3065



83.4961, 0.3234, 0.3128



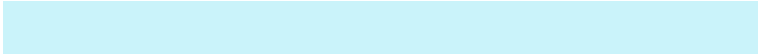
83.4961, 0.3426, 0.3510

Rectangle

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



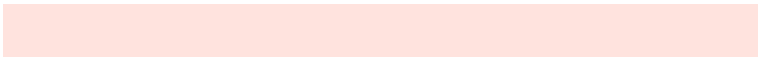
83.4961, 0.3017, 0.3461



83.4961, 0.2836, 0.3220



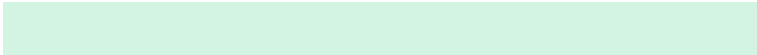
83.4961, 0.3234, 0.3128



83.4961, 0.3428, 0.3348

Sweetspot

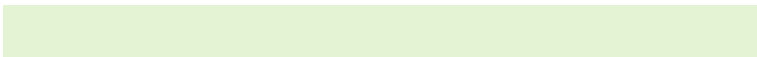
The Sweet Spot groups the original color and five complimentary colors.



83.4996, 0.3017, 0.3461



97.7927, 0.3093, 0.3339



85.1373, 0.3216, 0.3627



20.8454, 0.3087, 0.3349



0.0000, 0.0000, 0.0000



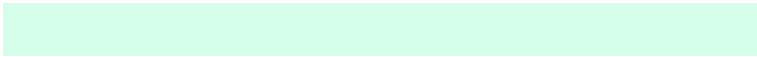
21.4041, 0.3127, 0.3290

Same Dimension

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



83.4996, 0.3017, 0.3461



91.8224, 0.2993, 0.3502



84.4234, 0.2926, 0.3289



18.6104, 0.3047, 0.3411



35.9742, 0.2724, 0.5007



3.1825, 0.2661, 0.4778

Inverse Universe

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



71.1963, 0.3254, 0.3125



75.4284, 0.3286, 0.3087



70.3545, 0.3369, 0.3291



16.6206, 0.3215, 0.3172



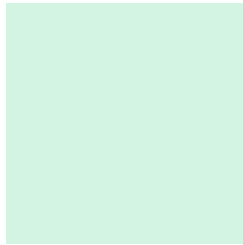
11.2481, 0.4962, 0.2507



1.0093, 0.4683, 0.2354

Previews

White Background



This preview shows how the Yxy color 83.4961, 0.3017, 0.3461 looks on a white background.

Color Contrast Check

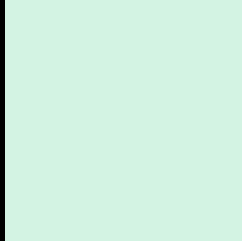
Large Text (above 18pt) WCAG AA × Fail

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 83.4961, 0.3017, 0.3461 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

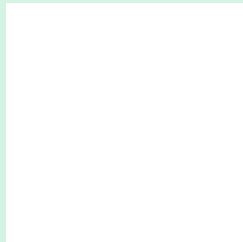
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4961, 0.3017, 0.3461

Background



This preview shows how black text looks on a background with the Yxy color 83.4961, 0.3017, 0.3461.

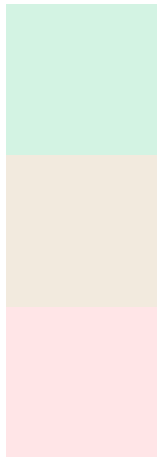


This preview shows how white text looks on a background with the Yxy color 83.4961, 0.3017, 0.3461.

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

83.4961, 0.3017, 0.3461

Protanopia

82.9968, 0.3258, 0.3413

Deuteranopia

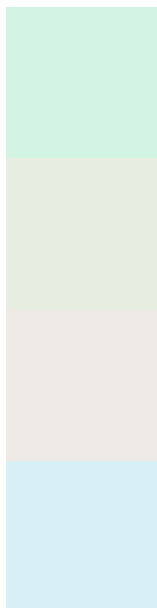
83.0681, 0.3295, 0.3271



Tritanopia

83.4291, 0.2906, 0.3114

Trichromacy



Original Color

83.4961, 0.3017, 0.3461

Protanomaly

82.9391, 0.3168, 0.3426

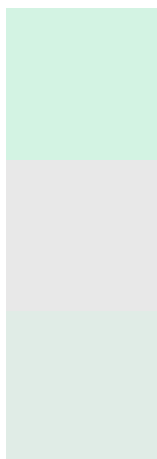
Deuteranomaly

82.9095, 0.3186, 0.3331

Tritanomaly

83.5117, 0.2944, 0.3237

Monochromacy



Original Color

83.4961, 0.3017, 0.3461

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.5514, 0.3084, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4961, 0.3017, 0.3461 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(211, 243, 227)` looks like.

```
.text, #text, p{  
    color:rgb(211, 243, 227)  
}
```

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(211, 243, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 243, 227) }
```

Border

The CSS property to change the border of an element to Yxy 83.4961, 0.3017, 0.3461 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(211, 243, 227) }
```

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

```
.border{ border-color:rgb(211, 243, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 243, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 243, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 243, 227);  
box-shadow:4px 4px 4px 4px rgb(211, 243,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4961, 0.3017, 0.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 243, 227) }
```

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

```
.background{ background-color: rgb(211,  
243, 227) }
```

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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