

Converting Colors

Yxy(84.4078, 0.3015, 0.3363)

Have a look what the booklet for
Yxy(84.4078, 0.3015, 0.3363)
contains.

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Color

Yxy(84.4078, 0.3015, 0.3363)

Conversions

Conversions Part 1

Format	Color
Hex	DAF2EB
RGB	218, 242, 235
RGB Percent	85%, 95%, 92%
CMY	0.1449, 0.0510, 0.0784
CMYK	0.10, 0.00, 0.03, 0.05
HSL	163°, 48%, 90%
HSV	163°, 10%, 95%
XYZ	75.6734, 84.4078, 90.9084
YIQ	234.0260, -12.0570, -7.2650

Conversions

Conversions Part 2

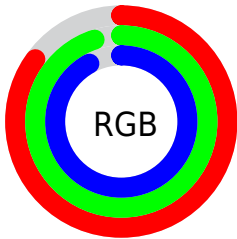
Format	Color
R _{YB}	218, 232, 242
Decimal	14349035
CIE Lab	93.63, -9.12, 0.69
CIE LCh	94, 9.141, 175.695
Yxy	84.4078, 0.3015, 0.3363
Android (android.graphics.Color)	4292539115 (0xFFDAF2EB)
YUV	234.0260, 0.4802, -14.0548
Hunter-Lab	91.8737, -13.7544, 5.6445

Details

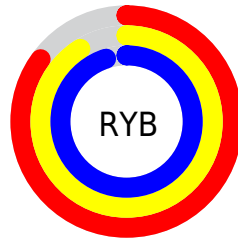
The Yxy color **84.4078, 0.3015, 0.3363** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.4839, 0.3253, 0.3218**, and the grayscale version is **82.3119, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.1590, 0.2992, 0.3385** is the 20% darker color. If you saturate the color by 10%, you get **80.5479, 0.2906, 0.3445**, and if you desaturate by 10%, it is **88.8357, 0.3128, 0.3289**.

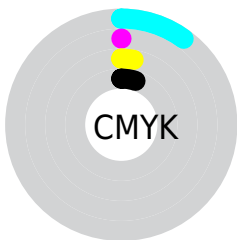
Distribution



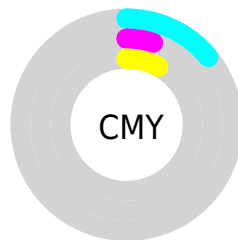
- Red (85%)
- Green (95%)
- Blue (92%)



- Red (85%)
- Yellow (91%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (3%)
- Black (5%)



- Cyan (14%)
- Magenta (5%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.4078, 0.3015, 0.3363 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 84.4078, 0.3015, 0.3363 by changing the saturation by 10% instead.

84.4078, 0.3015,
0.3363

84.4078, 0.3015,
0.3363

509.6665, 0.3066,
0.3330

63.3522, 0.3004,
0.3370

139.5455, 0.3032,
0.3352

46.1262, 0.2990,
0.3379

174.3963, 0.3039,
0.3347

32.3454, 0.2973,
0.3391

214.6144, 0.3045,
0.3343

21.6255, 0.2950,
0.3405

260.5840, 0.3050,
0.3340

13.5820, 0.2921,
0.3425

312.6897, 0.3055,
0.3337

7.8305, 0.2879,
0.3452

371.3157, 0.3059,

3.9867, 0.2817,

0.3335

0.3493

436.8465, 0.3062,
0.3332

■ 1.6661, 0.2712,
0.3563

■ 0.4016, 0.1675,
0.4227

■ 84.4078, 0.3015,
0.3363

■ 84.4078, 0.3015,
0.3363

■ 80.5479, 0.2906,
0.3445

■ 88.8357, 0.3128,
0.3289


■ 77.2217, 0.2805,
0.3534

■ 91.6062, 0.3169,
0.3221

■ 74.4072, 0.2714,
0.3630


■ 91.9790, 0.3133,
0.3165


■ 72.0771, 0.2636,
0.3732

 70.2011, 0.2575,
0.3840

 68.7457, 0.2533,
0.3950

 67.6725, 0.2510,
0.4062

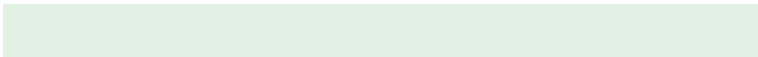
 66.9359, 0.2508,
0.4174

 66.4604, 0.2523,
0.4283

Harmonies

Analogous

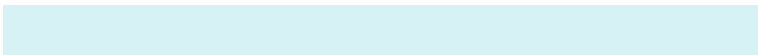
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4078, 0.3114, 0.3439



84.4078, 0.3015, 0.3363



84.4078, 0.2946, 0.3268

Triad

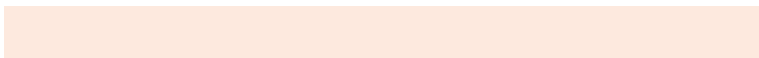
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.4078, 0.3015, 0.3363



84.4078, 0.3034, 0.3113



84.4078, 0.3334, 0.3395

Complementary

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



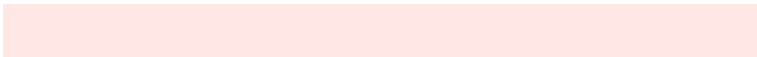
84.4078, 0.3015, 0.3363



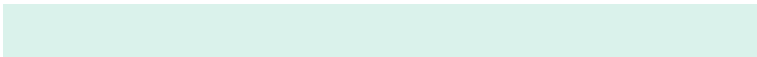
74.4839, 0.3253, 0.3218

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.



84.4078, 0.3312, 0.3308



84.4078, 0.3015, 0.3363



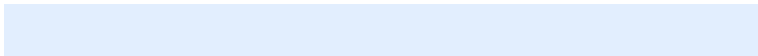
84.4078, 0.3137, 0.3148

Square

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



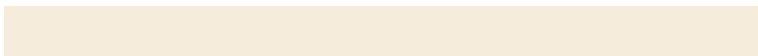
84.4078, 0.3015, 0.3363



84.4078, 0.2957, 0.3125



84.4078, 0.3239, 0.3218



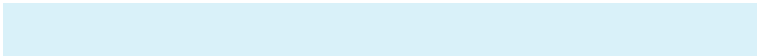
84.4078, 0.3299, 0.3456

Rectangle

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



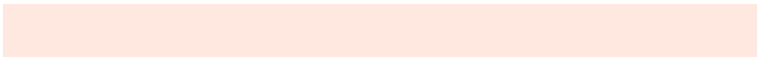
84.4078, 0.3015, 0.3363



84.4078, 0.2926, 0.3207



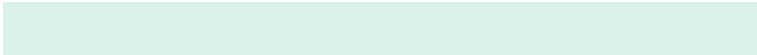
84.4078, 0.3239, 0.3218



84.4078, 0.3333, 0.3368

Sweetspot

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



84.4114, 0.3015, 0.3363



98.4350, 0.3093, 0.3311



84.6089, 0.3162, 0.3542



20.9818, 0.3084, 0.3317



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.



84.4114, 0.3015, 0.3363



94.0899, 0.2991, 0.3380



82.0101, 0.2974, 0.3239



17.8458, 0.3020, 0.3360



35.7285, 0.2518, 0.4266



2.9895, 0.2478, 0.4121

Inverse Universe

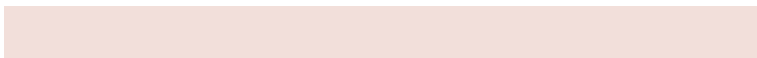
The Inverse Universe completely reimagines the original color for something new.



74.4839, 0.3253, 0.3218



80.6882, 0.3284, 0.3202



76.6305, 0.3296, 0.3340



15.8347, 0.3247, 0.3221



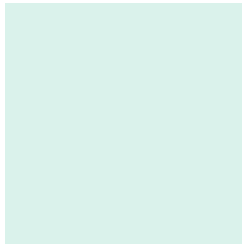
10.4030, 0.5791, 0.2964



0.8821, 0.5418, 0.2758

Previews

White Background



This preview shows how the Yxy color 84.4078, 0.3015, 0.3363 looks on a white background.

Color Contrast Check

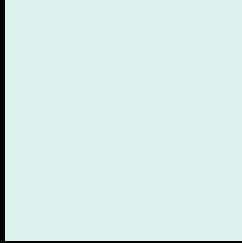
Large Text (above 18pt) WCAG AA × Fail

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 84.4078, 0.3015, 0.3363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

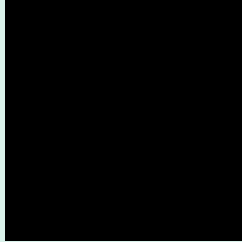
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

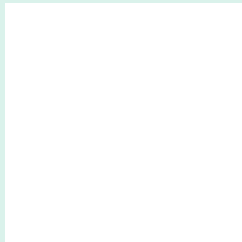
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.4078, 0.3015, 0.3363

Background



This preview shows how black text looks on a background with the Yxy color 84.4078, 0.3015, 0.3363.

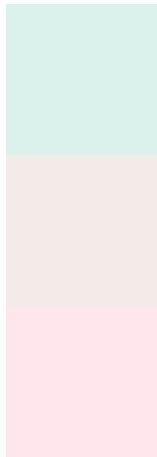


This preview shows how white text looks on a background with the Yxy color 84.4078, 0.3015, 0.3363.

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

84.4078, 0.3015, 0.3363

Protanopia

84.0634, 0.3199, 0.3331

Deuteranopia

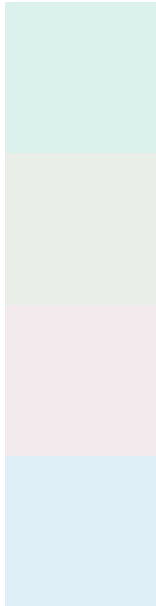
83.9681, 0.3254, 0.3222



Tritanopia

84.2164, 0.2937, 0.3116

Trichromacy



Original Color

84.4078, 0.3015, 0.3363

Protanomaly

84.2989, 0.3131, 0.3352

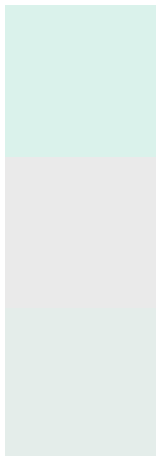
Deuteranomaly

83.7790, 0.3169, 0.3270

Tritanomaly

84.0399, 0.2964, 0.3197

Monochromacy



Original Color

84.4078, 0.3015, 0.3363

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.0029, 0.3086, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4078, 0.3015, 0.3363 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(218, 242, 235)` looks like.

```
.text, #text, p{  
    color:rgb(218, 242, 235)  
}
```

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(218, 242, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 242, 235) }
```

Border

The CSS property to change the border of an element to Yxy 84.4078, 0.3015, 0.3363 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(218, 242, 235) }
```

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

```
.border{ border-color:rgb(218, 242, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 242, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 242, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 242, 235);  
box-shadow:4px 4px 4px 4px rgb(218, 242,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4078, 0.3015, 0.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 242, 235) }
```

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

```
.background{ background-color: rgb(218,  
242, 235) }
```

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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