

Converting Colors

$Yxy(85.6345, 0.3034, 0.3439)$

Have a look what the booklet for
Yxy(85.6345, 0.3034, 0.3439)
contains.

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Color

Yxy(85.8261, 0.3031, 0.3437)

Conversions

Conversions Part 1

Format	Color
Hex	D9F5E7
RGB	217, 245, 231
RGB Percent	85%, 96%, 91%
CMY	0.1491, 0.0392, 0.0940
CMYK	0.11, 0.00, 0.06, 0.04
HSL	150°, 58%, 91%
HSV	150°, 11%, 96%
XYZ	75.6878, 85.8261, 88.1984
YIQ	235.0320, -12.1940, -10.2900

Conversions

Conversions Part 2

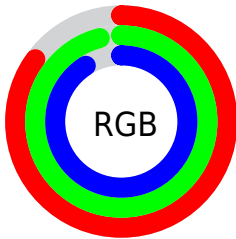
Format	Color
R _{YB}	217, 236, 245
Decimal	14284263
CIE Lab	94.24, -11.72, 3.63
CIE LCh	94, 12.267, 162.791
Yxy	85.8261, 0.3031, 0.3437
Android (android.graphics.Color)	4292474343 (0xFFD9F5E7)
YUV	235.0320, -1.9878, -15.8141
Hunter-Lab	92.6424, -16.2917, 8.4038

Details

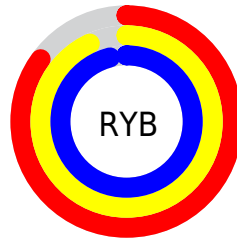
The Yxy color **85.8261, 0.3031, 0.3437** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.7920, 0.3235, 0.3147**, and the grayscale version is **83.1257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1717, 0.3013, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **81.6838, 0.2950, 0.3582**, and if you desaturate by 10%, it is **90.5812, 0.3115, 0.3308**.

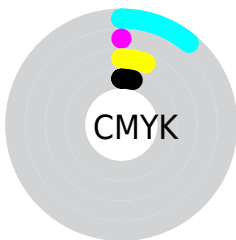
Distribution



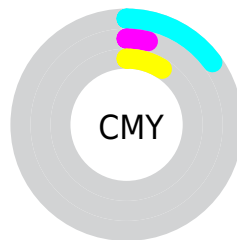
- Red (85%)
- Green (96%)
- Blue (91%)



- Red (85%)
- Yellow (93%)
- Blue (96%)



- Cyan (11%)
- Magenta (0%)
- Yellow (6%)
- Black (4%)




- Cyan (15%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8261, 0.3031, 0.3437 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 85.8261, 0.3031, 0.3437 by changing the saturation by 10% instead.

 85.8261, 0.3031,
0.3437

 85.8261, 0.3031,
0.3437


514.3576, 0.3075,
0.3370

 64.5242, 0.3021,
0.3452


141.5268, 0.3046,
0.3414

 47.0754, 0.3009,
0.3470


176.6944, 0.3052,
0.3405

 33.0952, 0.2994,
0.3493


217.2526, 0.3057,
0.3397

 22.1994, 0.2975,
0.3523

263.5859, 0.3061,
0.3391

 14.0035, 0.2949,
0.3564

316.0786, 0.3065,
0.3385

 8.1231, 0.2912,
0.3621

375.1153, 0.3069,

 4.1738, 0.2857,

0.3379

0.3707

441.0801, 0.3072,
0.3375

■ 1.7713, 0.2763,
0.3856

■ 0.4692, 0.1804,
0.5294

■ 85.8261, 0.3031,
0.3437

■ 85.8261, 0.3031,
0.3437

■ 81.6838, 0.2950,
0.3582

■ 90.5812, 0.3115,
0.3308

■ 78.1179, 0.2874,
0.3741

■ 93.7913, 0.3132,
0.3195

■ 75.1048, 0.2806,
0.3914

■ 72.6149, 0.2751,
0.4100

■ 70.6158, 0.2710,
0.4294

■ 69.0713, 0.2687,
0.4492

■ 67.9398, 0.2685,
0.4689

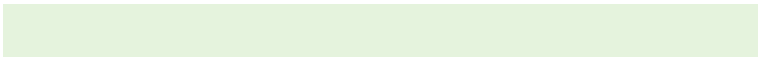
■ 67.1718, 0.2703,
0.4878

■ 66.7373, 0.2731,
0.5032

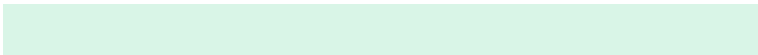
Harmonies

Analogous

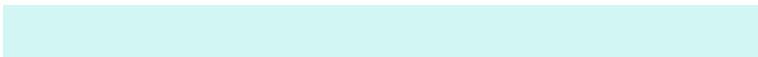
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8261, 0.3171, 0.3518



85.8261, 0.3031, 0.3437



85.8261, 0.2919, 0.3315

Triad

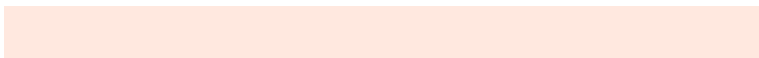
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8261, 0.3031, 0.3437



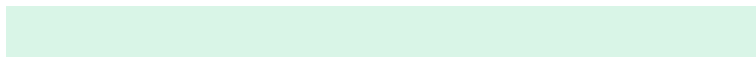
85.8261, 0.2953, 0.3054



85.8261, 0.3400, 0.3381

Complementary

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



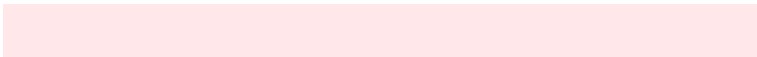
85.8261, 0.3031, 0.3437



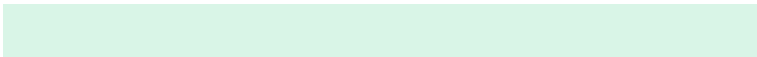
74.7920, 0.3235, 0.3147

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.



85.8261, 0.3339, 0.3261



85.8261, 0.3031, 0.3437



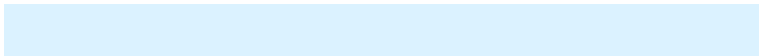
85.8261, 0.3079, 0.3075

Square

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



85.8261, 0.3031, 0.3437



85.8261, 0.2874, 0.3094



85.8261, 0.3221, 0.3150



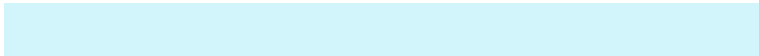
85.8261, 0.3386, 0.3482

Rectangle

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



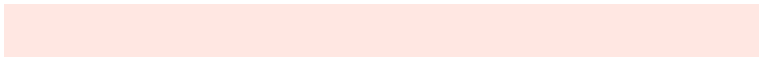
85.8261, 0.3031, 0.3437



85.8261, 0.2874, 0.3229



85.8261, 0.3221, 0.3150



85.8261, 0.3388, 0.3342

Sweetspot

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



85.8297, 0.3031, 0.3437



98.3346, 0.3102, 0.3327



87.3069, 0.3205, 0.3581



20.9546, 0.3095, 0.3337



0.0000, 0.0000, 0.0000



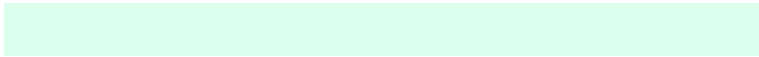
21.4041, 0.3127, 0.3290

Same Dimension

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



85.8297, 0.3031, 0.3437



92.7527, 0.3010, 0.3473



86.6518, 0.2951, 0.3289



18.6106, 0.3047, 0.3410



35.9772, 0.2723, 0.5004



3.1828, 0.2660, 0.4775

Inverse Universe

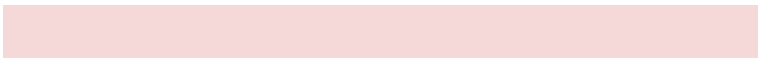
The Inverse Universe completely reimagines the original color for something new.



74.7920, 0.3235, 0.3147



78.2001, 0.3263, 0.3114



74.0334, 0.3333, 0.3291



16.6203, 0.3215, 0.3173



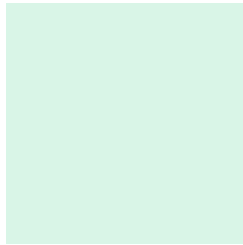
11.2451, 0.4966, 0.2509



1.0091, 0.4687, 0.2355

Previews

White Background



This preview shows how the Yxy color 85.8261, 0.3031, 0.3437 looks on a white background.

Color Contrast Check

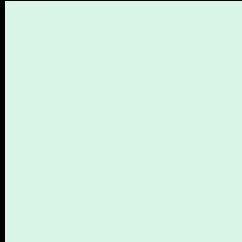
Large Text (above 18pt) WCAG AA × Fail

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 85.8261, 0.3031, 0.3437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

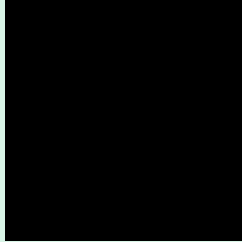
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

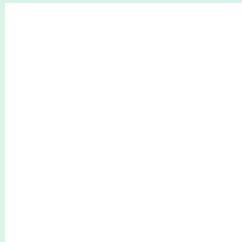
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.8261, 0.3031, 0.3437

Background



This preview shows how black text looks on a background with the Yxy color 85.8261, 0.3031, 0.3437.

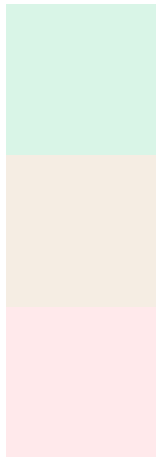


This preview shows how white text looks on a background with the Yxy color 85.8261, 0.3031, 0.3437.

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

85.8261, 0.3031, 0.3437

Protanopia

85.5269, 0.3244, 0.3391

Deuteranopia

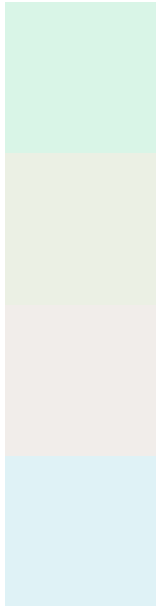
85.5360, 0.3265, 0.3271



Tritanopia

85.7089, 0.2949, 0.3137

Trichromacy



Original Color

85.8261, 0.3031, 0.3437

Protanomaly

85.5838, 0.3168, 0.3413

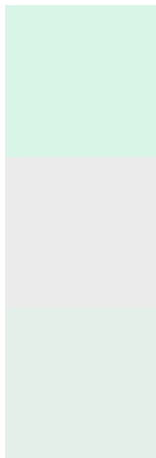
Deuteranomaly

85.2097, 0.3172, 0.3320

Tritanomaly

85.8461, 0.2982, 0.3248

Monochromacy



Original Color

85.8261, 0.3031, 0.3437

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.1675, 0.3085, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8261, 0.3031, 0.3437 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, 245, 231)` looks like.

```
.text, #text, p{  
    color:rgb(217, 245, 231)  
}
```

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, 245, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 245, 231) }
```

Border

The CSS property to change the border of an element to Yxy 85.8261, 0.3031, 0.3437 is called "border". The border property can be set on classes, ids or directly on the HTML element.

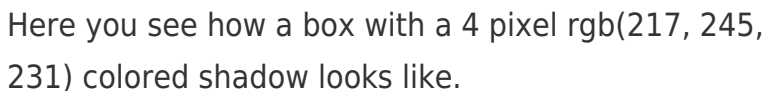
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 245, 231) }
```

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

```
.border{ border-color:rgb(217, 245, 231) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 245, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 245, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 245, 231); box-shadow:4px 4px 4px 4px rgb(217, 245, 231) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8261, 0.3031, 0.3437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 245, 231) }
```

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

```
.background{ background-color: rgb(217,  
245, 231) }
```

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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