

Converting Colors

Yxy(84.8356, 0.3008, 0.3395)

Have a look what the booklet for
Yxy(84.8356, 0.3008, 0.3395)
contains.

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Color

Yxy(84.6406, 0.3008, 0.3385)

Conversions

Conversions Part 1

Format	Color
Hex	D8F3EA
RGB	216, 243, 234
RGB Percent	85%, 95%, 92%
CMY	0.1530, 0.0470, 0.0825
CMYK	0.11, 0.00, 0.04, 0.05
HSL	160°, 53%, 90%
HSV	160°, 11%, 95%
XYZ	75.2139, 84.6406, 90.1916
YIQ	233.9010, -13.2030, -8.5230

Conversions

Conversions Part 2

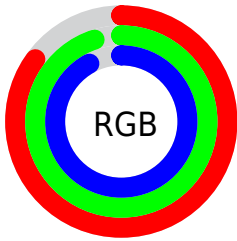
Format	Color
R _Y B	216, 232, 243
Decimal	14218218
CIE Lab	93.73, -10.49, 1.36
CIE LCh	94, 10.576, 172.633
Yxy	84.6406, 0.3008, 0.3385
Android (android.graphics.Color)	4292408298 (0xFFD8F3EA)
YUV	233.9010, 0.0488, -15.6992
Hunter-Lab	92.0003, -15.0698, 6.2759

Details

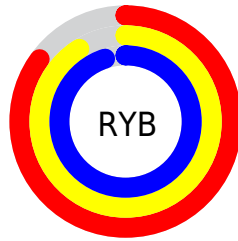
The Yxy color **84.6406, 0.3008, 0.3385** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.5995, 0.3263, 0.3197**, and the grayscale version is **82.2069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3321, 0.2983, 0.3413** is the 20% darker color. If you saturate the color by 10%, you get **80.7561, 0.2905, 0.3480**, and if you desaturate by 10%, it is **89.1010, 0.3115, 0.3299**.

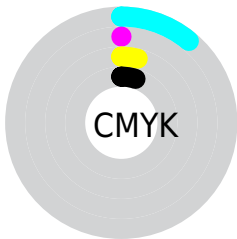
Distribution



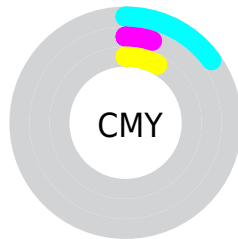
- Red (85%)
- Green (95%)
- Blue (92%)



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



- Cyan (11%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)





- Cyan (15%)
- Magenta (5%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6406, 0.3008, 0.3385 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 84.6406, 0.3008, 0.3385 by changing the saturation by 10% instead.


 84.6406, 0.3008,
0.3385

 84.6406, 0.3008,
0.3385


510.4381, 0.3062,
0.3342

 63.5445, 0.2996,
0.3395


139.8709, 0.3026,
0.3370

 46.2818, 0.2981,
0.3406

174.7739, 0.3034,
0.3364

 32.4683, 0.2963,
0.3421


215.0480, 0.3040,
0.3359

 21.7194, 0.2939,
0.3440

261.0775, 0.3045,
0.3355

 13.6509, 0.2908,
0.3466

313.2469, 0.3050,
0.3351

 7.8782, 0.2863,
0.3502

371.9405, 0.3055,

 4.0171, 0.2796,

0.3348

437.5428, 0.3058,
0.3345

0.3557

1.6832, 0.2685,
0.3649

0.4127, 0.1508,
0.4568

84.6406, 0.3008,
0.3385

84.6406, 0.3008,
0.3385

80.7561, 0.2905,
0.3480

89.1010, 0.3115,
0.3299

77.4127, 0.2810,
0.3584

92.2850, 0.3161,
0.3221

74.5878, 0.2725,
0.3697

92.5884, 0.3133,
0.3175

72.2533, 0.2653,
0.3817

■ 70.3782, 0.2598,
0.3942

■ 68.9281, 0.2561,
0.4071

■ 67.8632, 0.2545,
0.4201

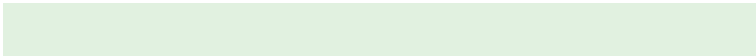
■ 67.1362, 0.2550,
0.4330

■ 66.7069, 0.2567,
0.4443

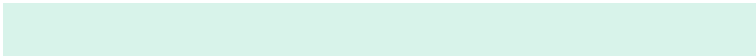
Harmonies

Analogous

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



84.6406, 0.3125, 0.3469



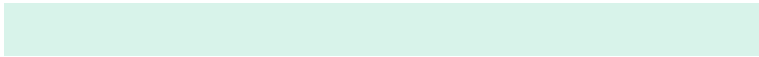
84.6406, 0.3008, 0.3385



84.6406, 0.2924, 0.3275

Triad

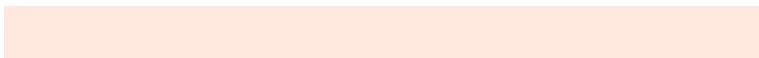
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.6406, 0.3008, 0.3385



84.6406, 0.3009, 0.3085



84.6406, 0.3367, 0.3402

Complementary

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



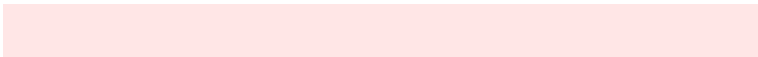
84.6406, 0.3008, 0.3385



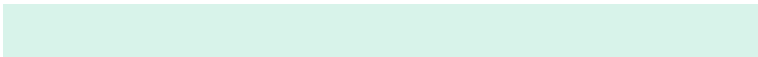
73.5995, 0.3263, 0.3197

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.



84.6406, 0.3334, 0.3300



84.6406, 0.3008, 0.3385



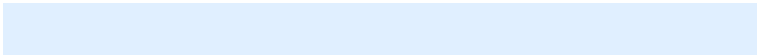
84.6406, 0.3126, 0.3120

Square

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



84.6406, 0.3008, 0.3385



84.6406, 0.2924, 0.3103



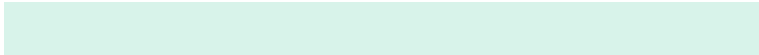
84.6406, 0.3246, 0.3197



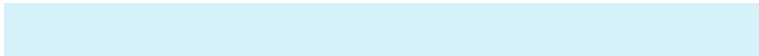
84.6406, 0.3333, 0.3477

Rectangle

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



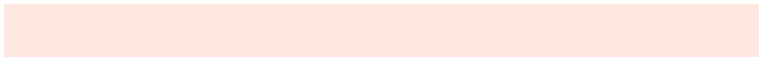
84.6406, 0.3008, 0.3385



84.6406, 0.2897, 0.3204



84.6406, 0.3246, 0.3197



84.6406, 0.3363, 0.3369

Sweetspot

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



84.6442, 0.3008, 0.3385



98.4141, 0.3095, 0.3315



85.1449, 0.3176, 0.3575



20.9761, 0.3086, 0.3321



0.0000, 0.0000, 0.0000



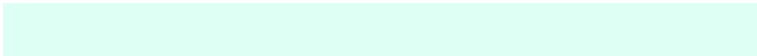
21.4041, 0.3127, 0.3290

Same Dimension

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



84.6442, 0.3008, 0.3385



93.5521, 0.2988, 0.3403



82.7773, 0.2956, 0.3247



18.6580, 0.3025, 0.3370



36.6331, 0.2562, 0.4423



3.2387, 0.2517, 0.4263

Inverse Universe

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



73.5995, 0.3263, 0.3197



79.3027, 0.3289, 0.3180



75.2217, 0.3321, 0.3333



16.5740, 0.3241, 0.3211



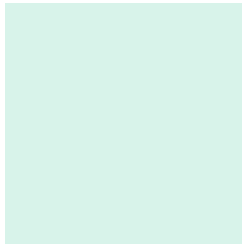
10.8087, 0.5637, 0.2879



0.9683, 0.5287, 0.2686

Previews

White Background



This preview shows how the Yxy color 84.6406, 0.3008, 0.3385 looks on a white background.

Color Contrast Check

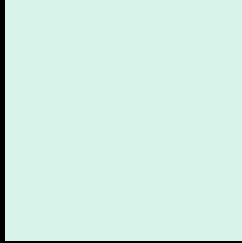
Large Text (above 18pt) WCAG AA × Fail

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 84.6406, 0.3008, 0.3385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

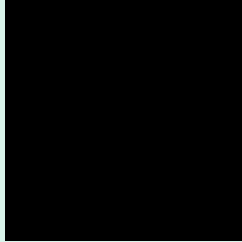
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

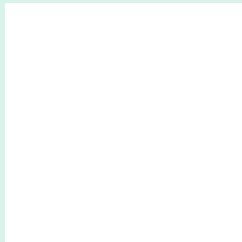
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6406, 0.3008, 0.3385

Background



This preview shows how black text looks on a background with the Yxy color 84.6406, 0.3008, 0.3385.

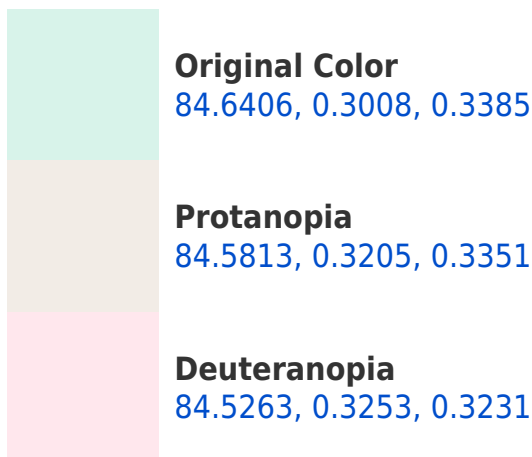


This preview shows how white text looks on a background with the Yxy color 84.6406, 0.3008, 0.3385.

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

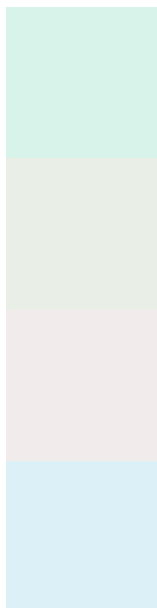




Tritanopia

84.6410, 0.2931, 0.3126

Trichromacy



Original Color

84.6406, 0.3008, 0.3385

Protanomaly

84.8262, 0.3137, 0.3372

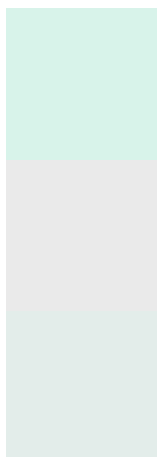
Deuteranomaly

84.1736, 0.3161, 0.3280

Tritanomaly

84.2512, 0.2958, 0.3217

Monochromacy



Original Color

84.6406, 0.3008, 0.3385

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.8398, 0.3079, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6406, 0.3008, 0.3385 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(216, 243, 234)` looks like.

```
.text, #text, p{  
    color:rgb(216, 243, 234)  
}
```

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(216, 243, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 243, 234) }
```

Border

The CSS property to change the border of an element to Yxy 84.6406, 0.3008, 0.3385 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(216, 243, 234) }
```

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

```
.border{ border-color:rgb(216, 243, 234) }
```

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

Here you see how a box with a 4 pixel rgb(216, 243, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 243, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 243, 234);  
box-shadow:4px 4px 4px 4px rgb(216, 243,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6406, 0.3008, 0.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 243, 234) }
```

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

```
.background{ background-color: rgb(216,  
243, 234) }
```

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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