

# Converting Colors

Yxy(84.8035, 0.3004, 0.3379)

Have a look what the booklet for  
Yxy(84.8035, 0.3004, 0.3379)  
contains.

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# Color

**Yxy(84.6983, 0.3002, 0.3374)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8F3EB
RGB	216, 243, 235
RGB Percent	85%, 95%, 92%
CMY	0.1530, 0.0470, 0.0784
CMYK	0.11, 0.00, 0.03, 0.05
HSL	162°, 53%, 90%
HSV	162°, 11%, 95%
XYZ	75.3599, 84.6983, 90.9741
YIQ	234.0150, -13.5240, -8.2120

# Conversions

## Conversions Part 2

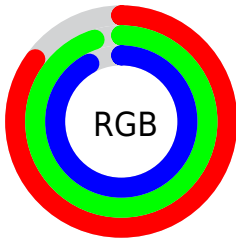
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	216, 232, 243
Decimal	14218219
CIE Lab	93.75, -10.30, 0.86
CIE LCh	94, 10.333, 175.240
Yxy	84.6983, 0.3002, 0.3374
Android (android.graphics.Color)	4292408299 (0xFFD8F3EB)
YUV	234.0150, 0.4856, -15.7992
Hunter-Lab	92.0317, -14.8912, 5.8135

# Details

The Yxy color **84.6983, 0.3002, 0.3374** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.5387, 0.3270, 0.3208**, and the grayscale version is **82.2949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3724, 0.2976, 0.3399** is the 20% darker color. If you saturate the color by 10%, you get **80.8628, 0.2895, 0.3458**, and if you desaturate by 10%, it is **89.1051, 0.3114, 0.3298**.

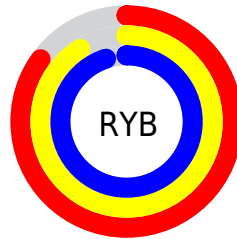
# Distribution



Red (85%)

Green (95%)

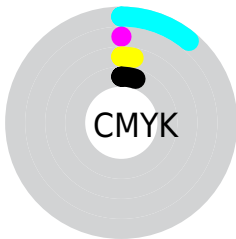
Blue (92%)



Red (85%)

Yellow (91%)

Blue (95%)

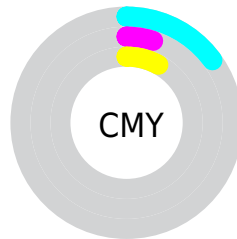


Cyan (11%)

Magenta (0%)

Yellow (3%)

Black (5%)



Cyan (15%)

Magenta (5%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.6983, 0.3002, 0.3374 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 84.6983, 0.3002, 0.3374 by changing the saturation by 10% instead.




 84.6983, 0.3002,  
0.3374

 84.6983, 0.3002,  
0.3374

510.6292, 0.3058,  
0.3336

 63.5921, 0.2989,  
0.3382

139.9516, 0.3021,  
0.3361

 46.3204, 0.2974,  
0.3393


174.8675, 0.3029,  
0.3356

 32.4987, 0.2955,  
0.3406


215.1554, 0.3035,  
0.3352

 21.7427, 0.2930,  
0.3423

261.1997, 0.3041,  
0.3348

 13.6680, 0.2897,  
0.3445

313.3849, 0.3046,  
0.3344

 7.8901, 0.2851,  
0.3476

372.0953, 0.3051,

 4.0247, 0.2781,

0.3341

437.7152, 0.3055,  
0.3339

0.3524

1.6874, 0.2665,  
0.3604

0.4155, 0.1508,  
0.4367

84.6983, 0.3002,  
0.3374

84.6983, 0.3002,  
0.3374

80.8628, 0.2895,  
0.3458

89.1051, 0.3114,  
0.3298

77.5637, 0.2795,  
0.3550


92.2325, 0.3166,  
0.3229


74.7788, 0.2706,  
0.3648


92.5879, 0.3133,  
0.3175


72.4800, 0.2630,  
0.3753

 70.6363, 0.2572,  
0.3863

 69.2134, 0.2532,  
0.3976

 68.1718, 0.2513,  
0.4090

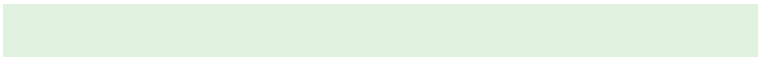
 67.4640, 0.2514,  
0.4203

 67.0486, 0.2528,  
0.4302

# Harmonies

## Analogous

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



84.6983, 0.3114, 0.3460



84.6983, 0.3002, 0.3374



84.6983, 0.2924, 0.3266

# Triad

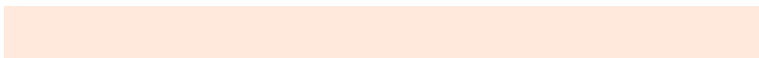
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.6983, 0.3002, 0.3374



84.6983, 0.3020, 0.3091



84.6983, 0.3361, 0.3407

# Complementary

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



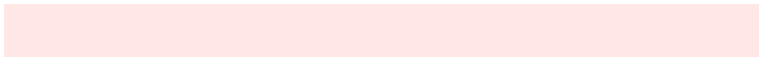
84.6983, 0.3002, 0.3374



73.5387, 0.3270, 0.3208

# 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.



84.6983, 0.3335, 0.3309



84.6983, 0.3002, 0.3374



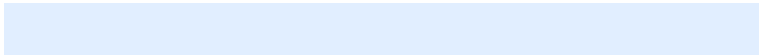
84.6983, 0.3137, 0.3129

# Square

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



84.6983, 0.3002, 0.3374



84.6983, 0.2934, 0.3104



84.6983, 0.3252, 0.3208



84.6983, 0.3323, 0.3477

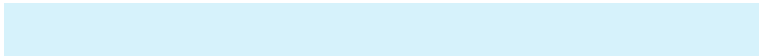


# Rectangle

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



84.6983, 0.3002, 0.3374



84.6983, 0.2901, 0.3197



84.6983, 0.3252, 0.3208



84.6983, 0.3359, 0.3376

# Sweetspot

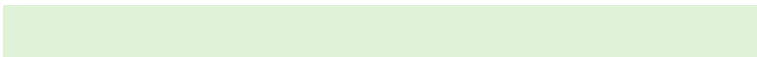
The Sweet Spot groups the original color and five complimentary colors.



84.7019, 0.3002, 0.3374



98.4327, 0.3093, 0.3312



84.9261, 0.3167, 0.3576



20.9811, 0.3084, 0.3318



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

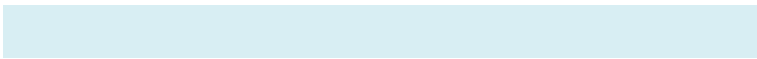
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7019, 0.3002, 0.3374



93.6294, 0.2981, 0.3389



81.9866, 0.2955, 0.3233



18.6692, 0.3020, 0.3361



36.8197, 0.2523, 0.4284



3.2541, 0.2484, 0.4144



# Inverse Universe

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



73.5387, 0.3270, 0.3208



79.2304, 0.3298, 0.3193



75.9301, 0.3320, 0.3347



16.5633, 0.3247, 0.3220



10.7352, 0.5777, 0.2956

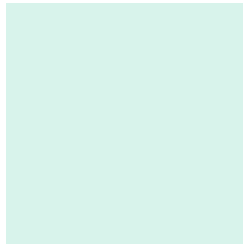


0.9608, 0.5423, 0.2761



# Previews

## White Background



This preview shows how the Yxy color 84.6983, 0.3002, 0.3374 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

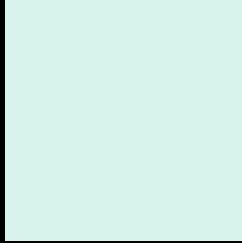
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.6983, 0.3002, 0.3374 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

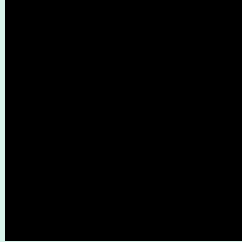
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

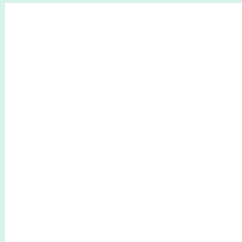
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.6983, 0.3002, 0.3374**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.6983, 0.3002, 0.3374.

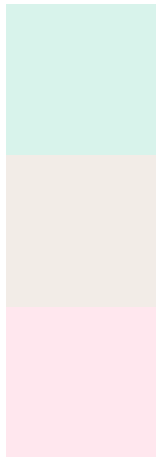


This preview shows how white text looks on a background with the Yxy color 84.6983, 0.3002, 0.3374.

# 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

84.6983, 0.3002, 0.3374

### Protanopia

84.6377, 0.3199, 0.3341

### Deuteranopia

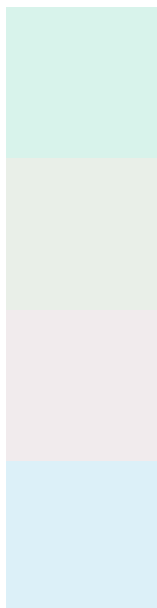
84.5849, 0.3247, 0.3222



## Tritanopia

84.6410, 0.2931, 0.3126

# Trichromacy



## Original Color

84.6983, 0.3002, 0.3374

## Protanomaly

84.8828, 0.3130, 0.3362

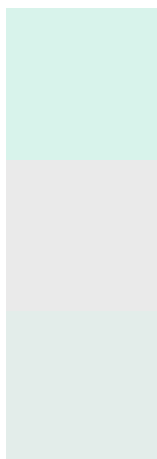
## Deuteranomaly

84.2319, 0.3155, 0.3270

## Tritanomaly

84.3131, 0.2952, 0.3207

# Monochromacy



## Original Color

84.6983, 0.3002, 0.3374

## 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 84.6983, 0.3002, 0.3374 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(216, 243, 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(216, 243, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 243, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 84.6983, 0.3002, 0.3374 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, 235) }
```

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

```
.border{ border-color:rgb(216, 243, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 243, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 243, 235);  
box-shadow:4px 4px 4px 4px rgb(216, 243,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.6983, 0.3002, 0.3374 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, 235) }
```

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

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