

Converting Colors

$Yxy(83.7354, 0.3093, 0.3536)$

Have a look what the booklet for
Yxy(83.7354, 0.3093, 0.3536)
contains.

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Color

Yxy(83.8674, 0.3090, 0.3536)

Conversions

Conversions Part 1

Format	Color
Hex	D8F3DC
RGB	216, 243, 220
RGB Percent	85%, 95%, 86%
CMY	0.1529, 0.0470, 0.1373
CMYK	0.11, 0.00, 0.09, 0.05
HSL	129°, 53%, 90%
HSV	129°, 11%, 95%
XYZ	73.2891, 83.8674, 80.0251
YIQ	232.3050, -8.7090, -12.8770

Conversions

Conversions Part 2

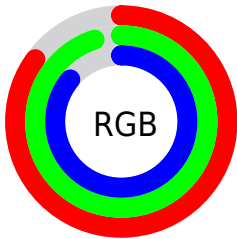
Format	Color
R _Y B	216, 240, 243
Decimal	14218204
CIE Lab	93.39, -13.02, 8.12
CIE LCh	93, 15.347, 148.060
Yxy	83.8674, 0.3090, 0.3536
Android (android.graphics.Color)	4292408284 (0xFFD8F3DC)
YUV	232.3050, -6.0664, -14.2995
Hunter-Lab	91.5791, -17.4132, 12.2957

Details

The Yxy color **83.8674, 0.3090, 0.3536** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.4085, 0.3167, 0.3056**, and the grayscale version is **80.9907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8343, 0.3080, 0.3596** is the 20% darker color. If you saturate the color by 10%, you get **79.4081, 0.3056, 0.3788**, and if you desaturate by 10%, it is **89.0173, 0.3124, 0.3313**.

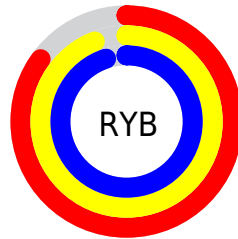
Distribution



Red (85%)

Green (95%)

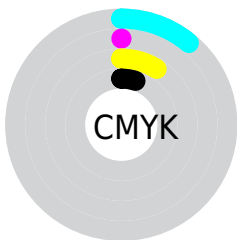
Blue (86%)



Red (85%)

Yellow (94%)

Blue (95%)

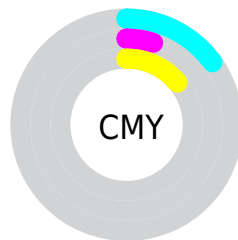


Cyan (11%)

Magenta (0%)

Yellow (9%)

Black (5%)



Cyan (15%)


Magenta (5%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.8674, 0.3090, 0.3536 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 83.8674, 0.3090, 0.3536 by changing the saturation by 10% instead.


 83.8674, 0.3090,
0.3536

 83.8674, 0.3090,
0.3536


507.8728, 0.3108,
0.3423

 62.9060, 0.3086,
0.3562

138.7897, 0.3096,
0.3497

 45.7651, 0.3081,
0.3593


173.5193, 0.3099,
0.3482

 32.0605, 0.3074,
0.3633


213.6071, 0.3101,
0.3469

 21.4077, 0.3065,
0.3685

259.4375, 0.3103,
0.3457

 13.4224, 0.3052,
0.3756

311.3949, 0.3104,
0.3447

 7.7200, 0.3034,
0.3857

369.8636, 0.3105,

 3.9163, 0.3003,

0.3438

0.4014

435.2281, 0.3107,
0.3430

■ 1.6269, 0.2944,
0.4289

■ 0.3756, 0.0942,
0.9058

■ 83.8674, 0.3090,
0.3536

■ 83.8674, 0.3090,
0.3536

■ 79.4081, 0.3056,
0.3788

■ 89.0173, 0.3124,
0.3313

■ 75.5999, 0.3023,
0.4069

■ 92.5832, 0.3133,
0.3175

■ 72.4152, 0.2992,
0.4373

■ 69.8207, 0.2967,
0.4691

■ 67.7796, 0.2949,
0.5010

■ 66.2512, 0.2940,
0.5310

■ 65.1889, 0.2943,
0.5570

■ 64.5375, 0.2955,
0.5772

■ 64.2291, 0.2971,
0.5896

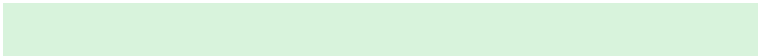
Harmonies

Analogous

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



83.8674, 0.3266, 0.3599



83.8674, 0.3090, 0.3536



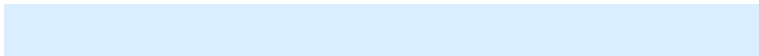
83.8674, 0.2927, 0.3401

Triad

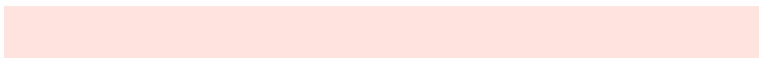
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.8674, 0.3090, 0.3536



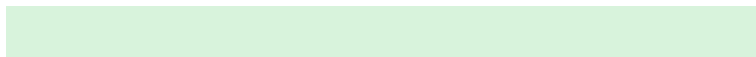
83.8674, 0.2850, 0.3008



83.8674, 0.3445, 0.3330

Complementary

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



83.8674, 0.3090, 0.3536



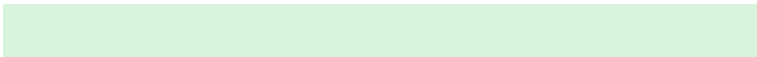
74.4085, 0.3167, 0.3056

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.



83.8674, 0.3328, 0.3181



83.8674, 0.3090, 0.3536



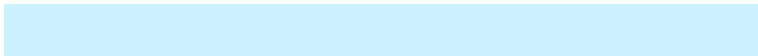
83.8674, 0.2983, 0.2998

Square

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



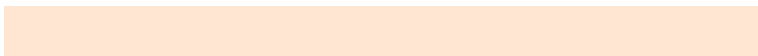
83.8674, 0.3090, 0.3536



83.8674, 0.2791, 0.3094



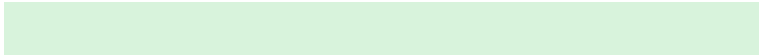
83.8674, 0.3157, 0.3061



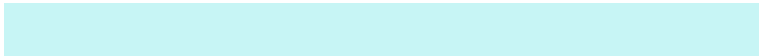
83.8674, 0.3475, 0.3474

Rectangle

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



83.8674, 0.3090, 0.3536



83.8674, 0.2847, 0.3291



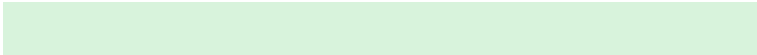
83.8674, 0.3157, 0.3061



83.8674, 0.3415, 0.3279

Sweetspot

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



83.8710, 0.3090, 0.3536



98.1647, 0.3117, 0.3353



87.4831, 0.3269, 0.3566



20.9089, 0.3115, 0.3370



0.0000, 0.0000, 0.0000



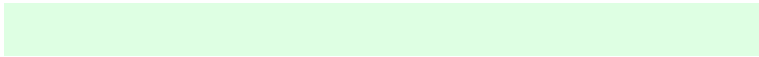
21.4041, 0.3127, 0.3290

Same Dimension

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



83.8710, 0.3090, 0.3536



92.5570, 0.3083, 0.3582



84.5937, 0.3013, 0.3394



18.5118, 0.3095, 0.3498



35.2620, 0.2966, 0.5879



3.1110, 0.2914, 0.5689

Inverse Universe

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



74.4085, 0.3167, 0.3056



80.3326, 0.3174, 0.3014



73.6607, 0.3257, 0.3188



16.7239, 0.3161, 0.3091



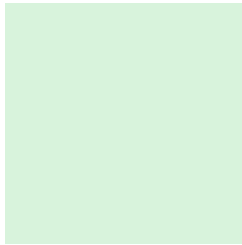
12.9526, 0.3620, 0.1768



1.1496, 0.3560, 0.1735

Previews

White Background



This preview shows how the Yxy color 83.8674, 0.3090, 0.3536 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 83.8674, 0.3090, 0.3536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

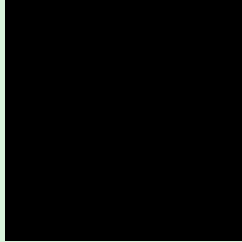
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

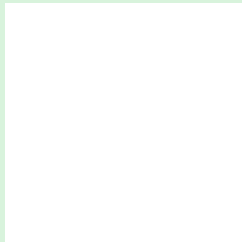
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.8674, 0.3090, 0.3536

Background



This preview shows how black text looks on a background with the Yxy color 83.8674, 0.3090, 0.3536.

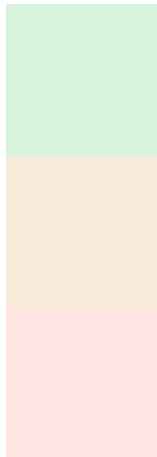


This preview shows how white text looks on a background with the Yxy color 83.8674, 0.3090, 0.3536.

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

83.8674, 0.3090, 0.3536

Protanopia

83.7870, 0.3317, 0.3484

Deuteranopia

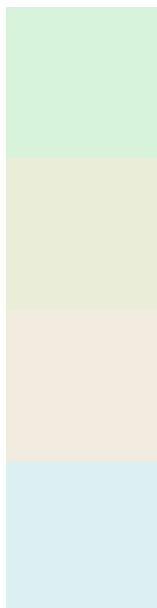
83.3997, 0.3320, 0.3320



Tritanopia

84.0570, 0.2930, 0.3116

Trichromacy



Original Color

83.8674, 0.3090, 0.3536

Protanomaly

83.6513, 0.3231, 0.3509

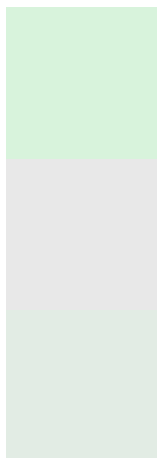
Deuteranomaly

83.4993, 0.3237, 0.3403

Tritanomaly

83.9466, 0.2987, 0.3269

Monochromacy



Original Color

83.8674, 0.3090, 0.3536

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.7611, 0.3110, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8674, 0.3090, 0.3536 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(216, 243, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 243, 220) }
```

Border

The CSS property to change the border of an element to Yxy 83.8674, 0.3090, 0.3536 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, 220) }
```

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

```
.border{ border-color:rgb(216, 243, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 243, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 243, 220);  
box-shadow:4px 4px 4px 4px rgb(216, 243,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8674, 0.3090, 0.3536 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, 220) }
```

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

```
.background{ background-color: rgb(216,  
243, 220) }
```

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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