

Converting Colors

$Yxy(84.3867, 0.2939, 0.3436)$

Have a look what the booklet for
Yxy(84.3867, 0.2939, 0.3436)
contains.

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Color

Yxy(84.4342, 0.2940, 0.3440)

Conversions

Conversions Part 1

Format	Color
Hex	CBF6E8
RGB	203, 246, 232
RGB Percent	80%, 96%, 91%
CMY	0.2037, 0.0353, 0.0901
CMYK	0.17, 0.00, 0.06, 0.04
HSL	160°, 70%, 88%
HSV	160°, 17%, 96%
XYZ	72.1618, 84.4342, 88.8523
YIQ	231.5470, -21.1340, -13.4700

Conversions

Conversions Part 2

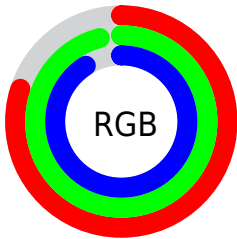
Format	Color
R _{YB}	203, 229, 246
Decimal	13367016
CIE Lab	93.64, -16.45, 2.14
CIE LCh	94, 16.585, 172.598
Yxy	84.4342, 0.2940, 0.3440
Android (android.graphics.Color)	4291557096 (0xFFC _B F6E8)
YUV	231.5470, 0.2233, -25.0357
Hunter-Lab	91.8881, -20.6241, 6.9905

Details

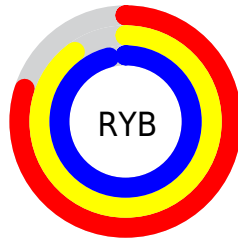
The Yxy color **84.4342, 0.2940, 0.3440** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.3380, 0.3358, 0.3145**, and the grayscale version is **80.3593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2574, 0.2899, 0.3486** is the 20% darker color. If you saturate the color by 10%, you get **80.8080, 0.2840, 0.3538**, and if you desaturate by 10%, it is **88.6362, 0.3046, 0.3351**.

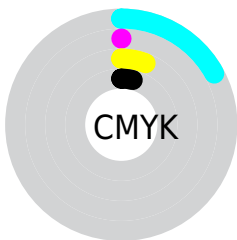
Distribution



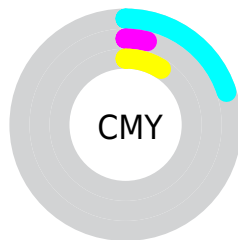
- Red (80%)
- Green (96%)
- Blue (91%)



- Red (80%)
- Yellow (90%)
- Blue (96%)



- Cyan (17%)
- Magenta (0%)
- Yellow (6%)
- Black (4%)




- Cyan (20%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.4342, 0.2940, 0.3440 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 84.4342, 0.2940, 0.3440 by changing the saturation by 10% instead.

 84.4342, 0.2940,
0.3440

 84.4342, 0.2940,
0.3440


509.7540, 0.3025,
0.3372

 63.3740, 0.2921,
0.3455


139.5824, 0.2969,
0.3417

 46.1438, 0.2898,
0.3474


174.4392, 0.2980,
0.3407

 32.3593, 0.2869,
0.3498


214.6636, 0.2990,
0.3400

 21.6361, 0.2832,
0.3528

260.6400, 0.2999,
0.3393

 13.5898, 0.2782,
0.3569

312.7529, 0.3006,
0.3386

 7.8359, 0.2712,
0.3627

371.3866, 0.3013,

 3.9901, 0.2607,

0.3381

0.3715

436.9255, 0.3019,
0.3376

1.6680, 0.2430,
0.3866

0.4028, 0.0000,
0.5821

84.4342, 0.2940,
0.3440

84.4342, 0.2940,
0.3440

80.8080, 0.2840,
0.3538

88.6362, 0.3046,
0.3351

77.7208, 0.2750,
0.3645

93.4277, 0.3155,
0.3270

75.1483, 0.2672,
0.3758

94.3867, 0.3131,
0.3204

73.0595, 0.2610,
0.3878

■ 71.4205, 0.2566,
0.4002

■ 70.1926, 0.2541,
0.4129

■ 69.3303, 0.2538,
0.4255

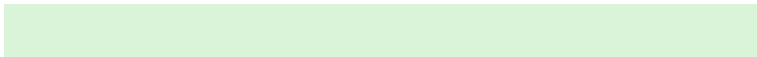
■ 68.7740, 0.2553,
0.4378

■ 68.6584, 0.2558,
0.4410

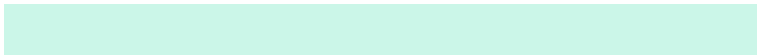
Harmonies

Analogous

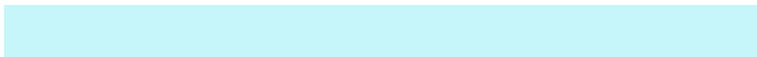
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4342, 0.3122, 0.3575



84.4342, 0.2940, 0.3440



84.4342, 0.2810, 0.3264

Triad

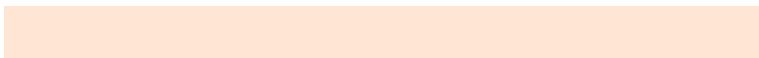
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.4342, 0.2940, 0.3440



84.4342, 0.2941, 0.2972



84.4342, 0.3505, 0.3461

Complementary

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



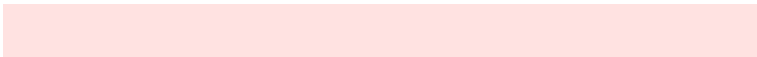
84.4342, 0.2940, 0.3440



67.3380, 0.3358, 0.3145

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.



84.4342, 0.3454, 0.3302



84.4342, 0.2940, 0.3440



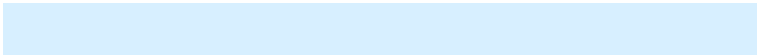
84.4342, 0.3124, 0.3026

Square

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



84.4342, 0.2940, 0.3440



84.4342, 0.2811, 0.2998



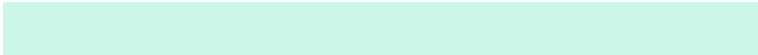
84.4342, 0.3313, 0.3145



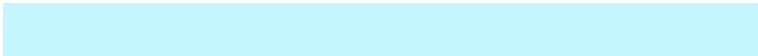
84.4342, 0.3451, 0.3582

Rectangle

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



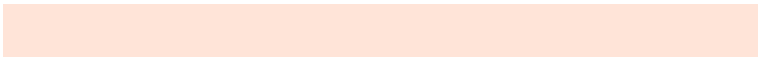
84.4342, 0.2940, 0.3440



84.4342, 0.2769, 0.3151



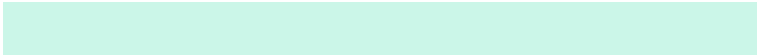
84.4342, 0.3313, 0.3145



84.4342, 0.3499, 0.3410

Sweetspot

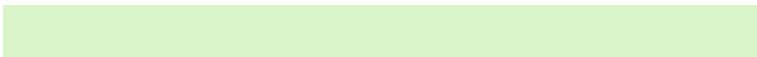
The Sweet Spot groups the original color and five complimentary colors.



84.4377, 0.2940, 0.3440



97.3972, 0.3072, 0.3330



85.0286, 0.3198, 0.3752



20.7715, 0.3065, 0.3336



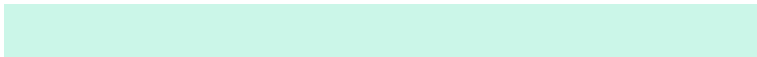
0.0000, 0.0000, 0.0000



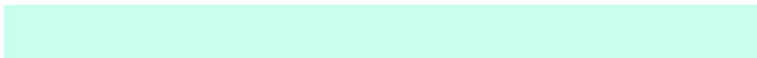
21.4041, 0.3127, 0.3290

Same Dimension

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



84.4377, 0.2940, 0.3440



90.1482, 0.2903, 0.3474



80.9935, 0.2860, 0.3213



18.6607, 0.3024, 0.3368



36.6767, 0.2553, 0.4389



3.2423, 0.2510, 0.4234

Inverse Universe

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



67.3380, 0.3358, 0.3145



68.3512, 0.3417, 0.3114



70.1013, 0.3452, 0.3366



16.5714, 0.3242, 0.3213



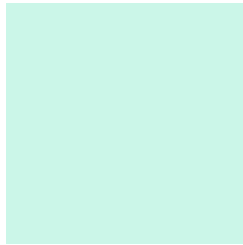
10.7901, 0.5672, 0.2898



0.9664, 0.5320, 0.2704

Previews

White Background



This preview shows how the Yxy color 84.4342, 0.2940, 0.3440 looks on a white background.

Color Contrast Check

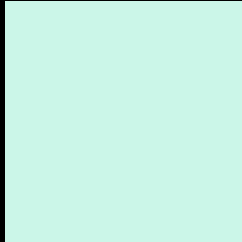
Large Text (above 18pt) WCAG AA × Fail

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 84.4342, 0.2940, 0.3440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

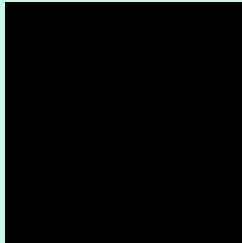
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

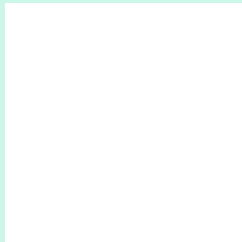
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.4342, 0.2940, 0.3440

Background



This preview shows how black text looks on a background with the Yxy color 84.4342, 0.2940, 0.3440.

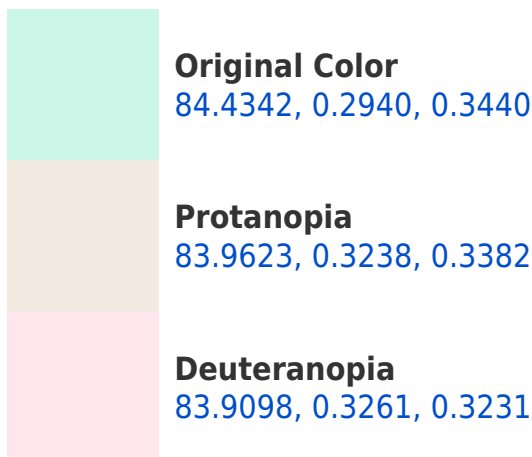


This preview shows how white text looks on a background with the Yxy color 84.4342, 0.2940, 0.3440.

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

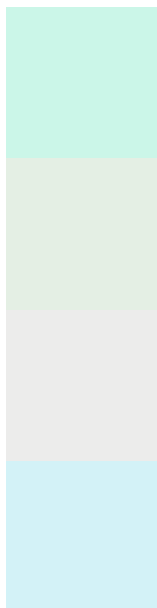




Tritanopia

84.1391, 0.2888, 0.3134

Trichromacy



Original Color

84.4342, 0.2940, 0.3440

Protanomaly

83.8284, 0.3122, 0.3405

Deuteranomaly

83.8219, 0.3133, 0.3300

Tritanomaly

84.0685, 0.2903, 0.3237

Monochromacy



Original Color

84.4342, 0.2940, 0.3440

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.7667, 0.3052, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4342, 0.2940, 0.3440 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(203, 246, 232)` looks like.

```
.text, #text, p{  
    color:rgb(203, 246, 232)  
}
```

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(203, 246, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 246, 232) }
```

Border

The CSS property to change the border of an element to Yxy 84.4342, 0.2940, 0.3440 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(203, 246, 232) }
```

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

```
.border{ border-color:rgb(203, 246, 232) }
```

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

Here you see how a box with a 4 pixel rgb(203, 246, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 246, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 246, 232);  
box-shadow:4px 4px 4px 4px rgb(203, 246,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4342, 0.2940, 0.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 246, 232) }
```

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

```
.background{ background-color: rgb(203,  
246, 232) }
```

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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