

Converting Colors

Yxy(84.4690, 0.2939, 0.3485)

Have a look what the booklet for
Yxy(84.4690, 0.2939, 0.3485)
contains.

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Color

Yxy(84.4580, 0.2939, 0.3485)

Conversions

Conversions Part 1

Format	Color
Hex	C8F7E5
RGB	200, 247, 229
RGB Percent	78%, 97%, 90%
CMY	0.2156, 0.0314, 0.1020
CMYK	0.19, 0.00, 0.07, 0.03
HSL	157°, 75%, 88%
HSV	157°, 19%, 97%
XYZ	71.2258, 84.4580, 86.6634
YIQ	230.8950, -22.2340, -15.5620

Conversions

Conversions Part 2

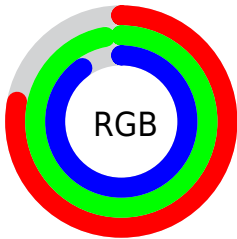
Format	Color
R _Y B	200, 229, 247
Decimal	13170661
CIE Lab	93.65, -18.47, 3.70
CIE LCh	94, 18.839, 168.667
Yxy	84.4580, 0.2939, 0.3485
Android (android.graphics.Color)	4291360741 (0xFFC8F7E5)
YUV	230.8950, -0.9342, -27.0949
Hunter-Lab	91.9010, -22.4844, 8.4198

Details

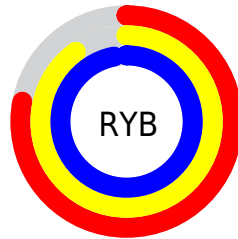
The Yxy color **84.4580, 0.2939, 0.3485** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.1595, 0.3362, 0.3103**, and the grayscale version is **79.8531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3373, 0.2891, 0.3530** is the 20% darker color. If you saturate the color by 10%, you get **80.8154, 0.2848, 0.3603**, and if you desaturate by 10%, it is **88.6859, 0.3036, 0.3378**.

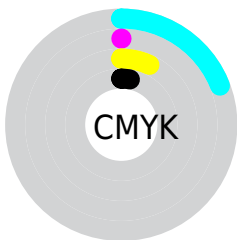
Distribution



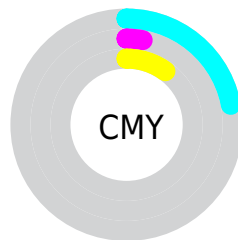
- Red (78%)
- Green (97%)
- Blue (90%)



- Red (78%)
- Yellow (90%)
- Blue (97%)



- Cyan (19%)
- Magenta (0%)
- Yellow (7%)
- Black (3%)





- Cyan (22%)
- Magenta (3%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.4580, 0.2939, 0.3485 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 84.4580, 0.2939, 0.3485 by changing the saturation by 10% instead.


 84.4580, 0.2939,
0.3485

 84.4580, 0.2939,
0.3485


509.8329, 0.3024,
0.3396

 63.3936, 0.2920,
0.3505

139.6157, 0.2968,
0.3454

 46.1597, 0.2896,
0.3530


174.4778, 0.2980,
0.3442

 32.3719, 0.2867,
0.3561


214.7079, 0.2990,
0.3432

 21.6457, 0.2829,
0.3601

260.6905, 0.2998,
0.3423

 13.5968, 0.2778,
0.3656

312.8098, 0.3006,
0.3415

 7.8408, 0.2707,
0.3733

371.4505, 0.3013,

 3.9932, 0.2598,

0.3408

436.9967, 0.3019,
0.3402

0.3852

1.6698, 0.2415,
0.4058

0.4040, 0.0000,
0.6905

84.4580, 0.2939,
0.3485

84.4580, 0.2939,
0.3485

80.8154, 0.2848,
0.3603

88.6859, 0.3036,
0.3378

77.7208, 0.2765,
0.3732

93.5136, 0.3137,
0.3281

75.1487, 0.2695,
0.3869

95.0023, 0.3131,
0.3214

73.0675, 0.2640,
0.4014

■ 71.4418, 0.2604,
0.4163

■ 70.2316, 0.2588,
0.4314

■ 69.3894, 0.2592,
0.4464

■ 68.8442, 0.2615,
0.4610

■ 68.7978, 0.2618,
0.4624

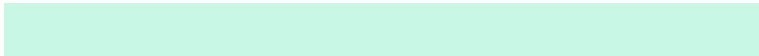
Harmonies

Analogous

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



84.4580, 0.3149, 0.3629



84.4580, 0.2939, 0.3485



84.4580, 0.2783, 0.3286

Triad

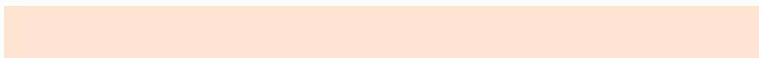
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.4580, 0.2939, 0.3485



84.4580, 0.2891, 0.2929



84.4580, 0.3556, 0.3460

Complementary

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



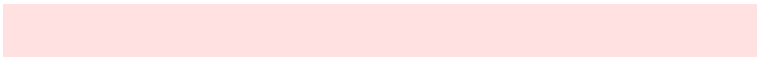
84.4580, 0.2939, 0.3485



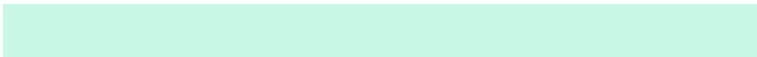
66.1595, 0.3362, 0.3103

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.



84.4580, 0.3483, 0.3278



84.4580, 0.2939, 0.3485



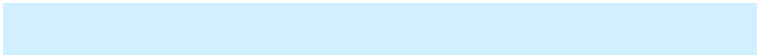
84.4580, 0.3094, 0.2979

Square

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



84.4580, 0.2939, 0.3485



84.4580, 0.2756, 0.2969



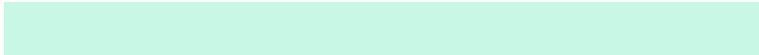
84.4580, 0.3311, 0.3105



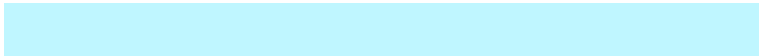
84.4580, 0.3509, 0.3606

Rectangle

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



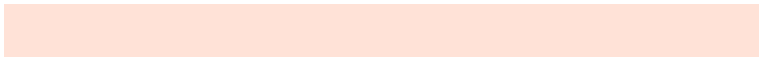
84.4580, 0.2939, 0.3485



84.4580, 0.2727, 0.3155



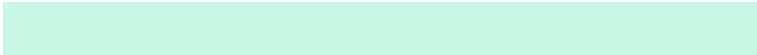
84.4580, 0.3311, 0.3105



84.4580, 0.3544, 0.3402

Sweetspot

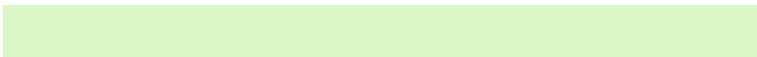
The Sweet Spot groups the original color and five complimentary colors.



84.4615, 0.2939, 0.3485



96.8406, 0.3066, 0.3347



85.7253, 0.3224, 0.3794



20.6573, 0.3060, 0.3354



0.0000, 0.0000, 0.0000



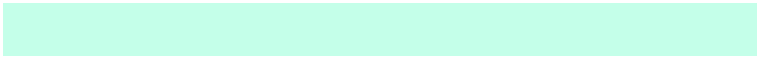
21.4041, 0.3127, 0.3290

Same Dimension

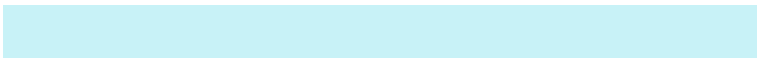
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4615, 0.2939, 0.3485



89.1576, 0.2901, 0.3531



82.6837, 0.2838, 0.3239



18.6438, 0.3032, 0.3382



36.4131, 0.2611, 0.4600



3.2204, 0.2560, 0.4416

Inverse Universe

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



66.1595, 0.3362, 0.3103



66.0043, 0.3424, 0.3062



67.4765, 0.3493, 0.3341



16.5877, 0.3233, 0.3200



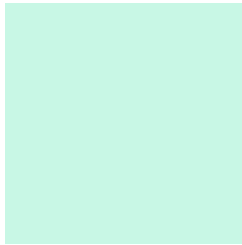
10.9180, 0.5446, 0.2774



0.9790, 0.5109, 0.2588

Previews

White Background



This preview shows how the Yxy color 84.4580, 0.2939, 0.3485 looks on a white background.

Color Contrast Check

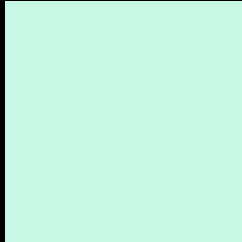
Large Text (above 18pt) WCAG AA × Fail

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 84.4580, 0.2939, 0.3485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

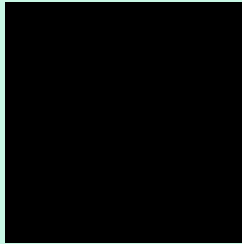
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

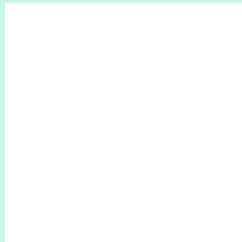
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.4580, 0.2939, 0.3485

Background



This preview shows how black text looks on a background with the Yxy color 84.4580, 0.2939, 0.3485.

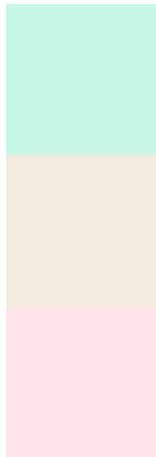


This preview shows how white text looks on a background with the Yxy color 84.4580, 0.2939, 0.3485.

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

84.4580, 0.2939, 0.3485

Protanopia

83.9775, 0.3264, 0.3412

Deuteranopia

83.7941, 0.3274, 0.3251



Tritanopia

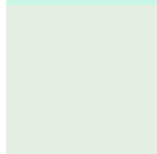
84.5777, 0.2883, 0.3145

Trichromacy



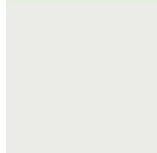
Original Color

84.4580, 0.2939, 0.3485



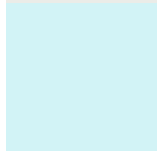
Protanomaly

83.6632, 0.3140, 0.3436



Deuteranomaly

83.4793, 0.3145, 0.3331



Tritanomaly

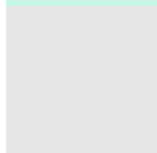
84.4566, 0.2903, 0.3258

Monochromacy



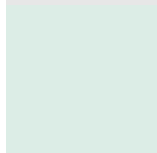
Original Color

84.4580, 0.2939, 0.3485



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.4972, 0.3058, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4580, 0.2939, 0.3485 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(200, 247, 229)` looks like.

```
.text, #text, p{  
    color:rgb(200, 247, 229)  
}
```

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(200, 247, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 247, 229) }
```

Border

The CSS property to change the border of an element to Yxy 84.4580, 0.2939, 0.3485 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(200, 247, 229) }
```

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

```
.border{ border-color:rgb(200, 247, 229) }
```

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

Here you see how a box with a 4 pixel rgb(200, 247, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 247, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 247, 229);  
box-shadow:4px 4px 4px 4px rgb(200, 247,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4580, 0.2939, 0.3485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 247, 229) }
```

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

```
.background{ background-color: rgb(200,  
247, 229) }
```

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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