

Converting Colors

$Yxy(83.8241, 0.2920, 0.3430)$

Have a look what the booklet for
Yxy(83.8241, 0.2920, 0.3430)
contains.

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Color

Yxy(84.0741, 0.2916, 0.3430)

Conversions

Conversions Part 1

Format	Color
Hex	C8F6E9
RGB	200, 246, 233
RGB Percent	78%, 96%, 91%
CMY	0.2159, 0.0352, 0.0862
CMYK	0.19, 0.00, 0.05, 0.04
HSL	163°, 72%, 87%
HSV	163°, 19%, 96%
XYZ	71.4752, 84.0741, 89.5647
YIQ	230.7640, -23.2430, -13.7950

Conversions

Conversions Part 2

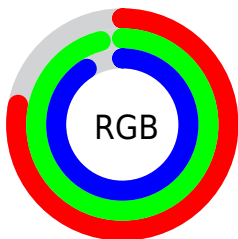
Format	Color
R_{YB}	200, 227, 246
Decimal	13170409
CIE Lab	93.48, -17.22, 1.37
CIE LCh	93, 17.279, 175.455
Yxy	84.0741, 0.2916, 0.3430
Android (android.graphics.Color)	4291360489 (0xFFC8F6E9)
YUV	230.7640, 1.1023, -26.9800
Hunter-Lab	91.6919, -21.3174, 6.2699

Details

The Yxy color **84.0741, 0.2916, 0.3430** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.6833, 0.3394, 0.3155**, and the grayscale version is **79.7276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.0210, 0.2869, 0.3473** is the 20% darker color. If you saturate the color by 10%, you get **80.5704, 0.2812, 0.3515**, and if you desaturate by 10%, it is **88.1453, 0.3027, 0.3352**.

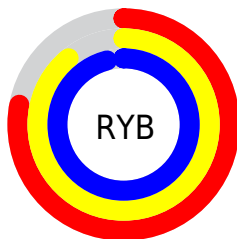
Distribution



Red (78%)

Green (96%)

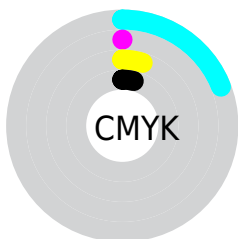
Blue (91%)



Red (78%)

Yellow (89%)

Blue (96%)

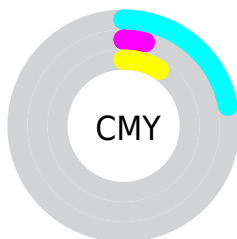


Cyan (19%)

Magenta (0%)

Yellow (5%)

Black (4%)



Cyan (22%)


Magenta (4%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.0741, 0.2916, 0.3430 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 84.0741, 0.2916, 0.3430 by changing the saturation by 10% instead.

 84.0741, 0.2916,
0.3430

 84.0741, 0.2916,
0.3430


508.5593, 0.3011,
0.3367

 63.0766, 0.2895,
0.3444


139.0788, 0.2949,
0.3408

 45.9032, 0.2869,
0.3462


173.8549, 0.2961,
0.3400

 32.1694, 0.2836,
0.3483


213.9925, 0.2973,
0.3392

 21.4909, 0.2794,
0.3512

259.8762, 0.2982,
0.3386

 13.4833, 0.2738,
0.3550

311.8904, 0.2991,
0.3380

 7.7622, 0.2660,
0.3603

370.4193, 0.2998,

 3.9432, 0.2542,

0.3375

435.8475, 0.3005,
0.3371

0.3684

1.6418, 0.2346,
0.3821

0.3856, 0.0000,
0.5433

84.0741, 0.2916,
0.3430

84.0741, 0.2916,
0.3430

80.5704, 0.2812,
0.3515

88.1453, 0.3027,
0.3352

77.5976, 0.2719,
0.3608


92.7981, 0.3142,
0.3281


75.1308, 0.2639,
0.3706

94.3261, 0.3138,
0.3215


73.1390, 0.2575,
0.3809


94.4005, 0.3131,
0.3204

 71.5878, 0.2529,
0.3916

 70.4378, 0.2504,
0.4023

 69.6427, 0.2499,
0.4131

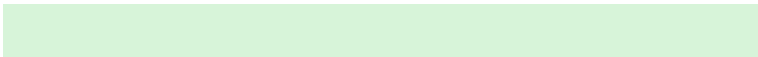
 69.1348, 0.2512,
0.4237

 69.0792, 0.2514,
0.4251

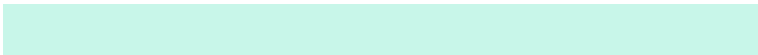
Harmonies

Analogous

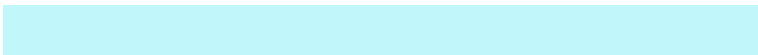
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0741, 0.3102, 0.3578



84.0741, 0.2916, 0.3430



84.0741, 0.2788, 0.3245

Triad

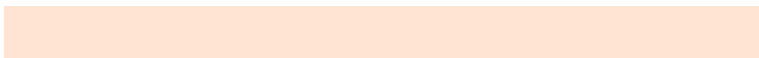
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0741, 0.2916, 0.3430



84.0741, 0.2949, 0.2961



84.0741, 0.3520, 0.3482

Complementary

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



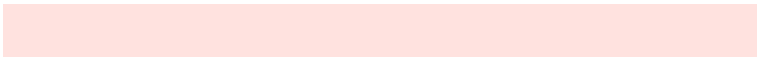
84.0741, 0.2916, 0.3430



65.6833, 0.3394, 0.3155

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.



84.0741, 0.3478, 0.3319



84.0741, 0.2916, 0.3430



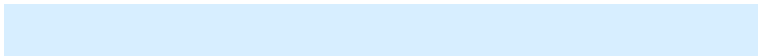
84.0741, 0.3143, 0.3024

Square

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



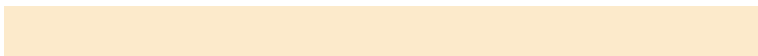
84.0741, 0.2916, 0.3430



84.0741, 0.2807, 0.2979



84.0741, 0.3338, 0.3153



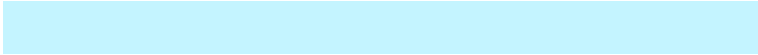
84.0741, 0.3454, 0.3602

Rectangle

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



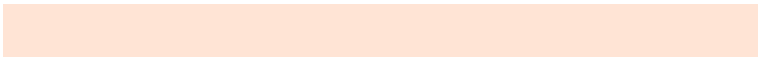
84.0741, 0.2916, 0.3430



84.0741, 0.2751, 0.3130



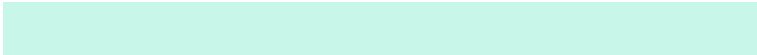
84.0741, 0.3338, 0.3153



84.0741, 0.3518, 0.3431

Sweetspot

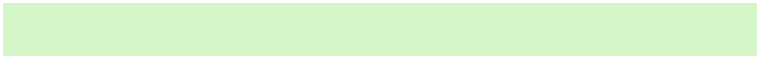
The Sweet Spot groups the original color and five complimentary colors.



84.0776, 0.2916, 0.3430



96.9379, 0.3058, 0.3332



84.2350, 0.3187, 0.3791



20.6804, 0.3050, 0.3337



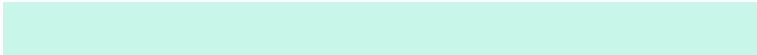
0.0000, 0.0000, 0.0000



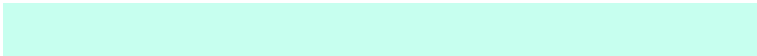
21.4041, 0.3127, 0.3290

Same Dimension

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



84.0776, 0.2916, 0.3430



89.8906, 0.2881, 0.3458



78.9383, 0.2839, 0.3182



18.6734, 0.3018, 0.3358



36.8920, 0.2509, 0.4233



3.2600, 0.2472, 0.4100

Inverse Universe

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



65.6833, 0.3394, 0.3155



66.9531, 0.3453, 0.3129



69.8232, 0.3476, 0.3396



16.5594, 0.3249, 0.3223



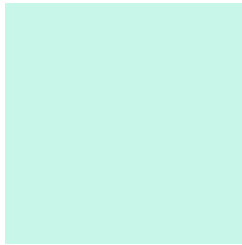
10.7105, 0.5826, 0.2983



0.9582, 0.5472, 0.2788

Previews

White Background



This preview shows how the Yxy color 84.0741, 0.2916, 0.3430 looks on a white background.

Color Contrast Check

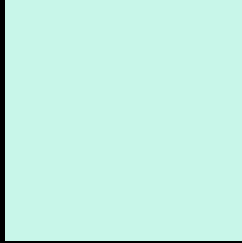
Large Text (above 18pt) WCAG AA × Fail

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 84.0741, 0.2916, 0.3430 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

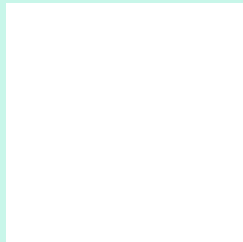
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.0741, 0.2916, 0.3430

Background



This preview shows how black text looks on a background with the Yxy color 84.0741, 0.2916, 0.3430.

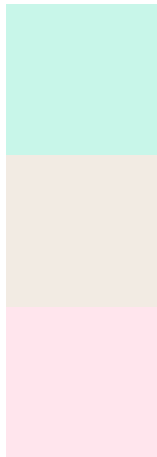


This preview shows how white text looks on a background with the Yxy color 84.0741, 0.2916, 0.3430.

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

84.0741, 0.2916, 0.3430

Protanopia

83.8400, 0.3225, 0.3372

Deuteranopia

83.4130, 0.3255, 0.3212



Tritanopia

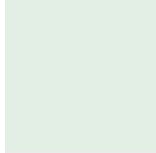
83.6863, 0.2870, 0.3134

Trichromacy



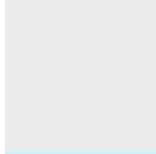
Original Color

84.0741, 0.2916, 0.3430



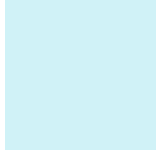
Protanomaly

83.7210, 0.3109, 0.3394



Deuteranomaly

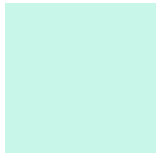
83.1350, 0.3121, 0.3280



Tritanomaly

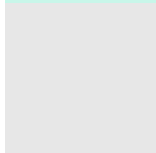
83.6296, 0.2885, 0.3237

Monochromacy



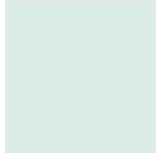
Original Color

84.0741, 0.2916, 0.3430



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.0327, 0.3046, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0741, 0.2916, 0.3430 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, 246, 233)` looks like.

```
.text, #text, p{  
    color:rgb(200, 246, 233)  
}
```

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, 246, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 246, 233) }
```

Border

The CSS property to change the border of an element to Yxy 84.0741, 0.2916, 0.3430 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, 246, 233) }
```

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

```
.border{ border-color:rgb(200, 246, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 246, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 246, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 246, 233);  
box-shadow:4px 4px 4px 4px rgb(200, 246,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0741, 0.2916, 0.3430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 246, 233) }
```

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

```
.background{ background-color: rgb(200,  
246, 233) }
```

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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