

Converting Colors

$Yxy(83.0072, 0.2942, 0.3473)$

Have a look what the booklet for
Yxy(83.0072, 0.2942, 0.3473)
contains.

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Color

Yxy(83.1856, 0.2944, 0.3475)

Conversions

Conversions Part 1

Format	Color
Hex	C8F5E4
RGB	200, 245, 228
RGB Percent	78%, 96%, 89%
CMY	0.2156, 0.0392, 0.1060
CMYK	0.18, 0.00, 0.07, 0.04
HSL	157°, 69%, 87%
HSV	157°, 18%, 96%
XYZ	70.4744, 83.1856, 85.7231
YIQ	229.6070, -21.3630, -14.8270

Conversions

Conversions Part 2

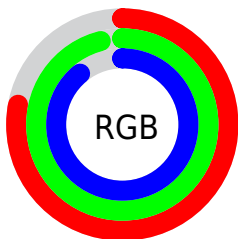
Format	Color
R _{YB}	200, 228, 245
Decimal	13170148
CIE Lab	93.10, -17.69, 3.42
CIE LCh	93, 18.016, 169.056
Yxy	83.1856, 0.2944, 0.3475
Android (android.graphics.Color)	4291360228 (0xFFC8F5E4)
YUV	229.6070, -0.7923, -25.9653
Hunter-Lab	91.2061, -21.6850, 8.1187

Details

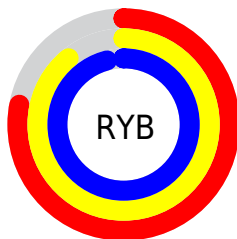
The Yxy color **83.1856, 0.2944, 0.3475** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.7386, 0.3354, 0.3112**, and the grayscale version is **78.8451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4321, 0.2896, 0.3517** is the 20% darker color. If you saturate the color by 10%, you get **79.5801, 0.2852, 0.3591**, and if you desaturate by 10%, it is **87.3662, 0.3042, 0.3370**.

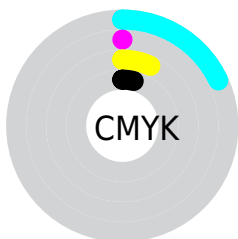
Distribution



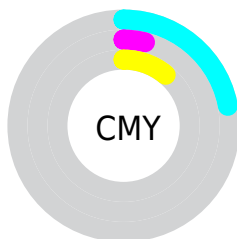
- Red (78%)
- Green (96%)
- Blue (89%)



- Red (78%)
- Yellow (89%)
- Blue (96%)



- Cyan (18%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)





- Cyan (22%)
- Magenta (4%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1856, 0.2944, 0.3475 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 83.1856, 0.2944, 0.3475 by changing the saturation by 10% instead.


 83.1856, 0.2944,
0.3475

 83.1856, 0.2944,
0.3475


505.6049, 0.3027,
0.3390

 62.3433, 0.2925,
0.3494


137.8354, 0.2973,
0.3446

 45.3101, 0.2902,
0.3518


172.4116, 0.2984,
0.3434

 31.7018, 0.2874,
0.3547


212.3346, 0.2994,
0.3425

 21.1338, 0.2836,
0.3586

257.9888, 0.3002,
0.3416

 13.2219, 0.2786,
0.3638

309.7585, 0.3009,
0.3408

 7.5815, 0.2716,
0.3713

368.0281, 0.3016,

 3.8283, 0.2608,

0.3402

0.3827

433.1821, 0.3022,
0.3396

■ 1.5780, 0.2426,
0.4027

■ 0.3427, 0.0000,
0.7189

■ 83.1856, 0.2944,
0.3475

■ 83.1856, 0.2944,
0.3475

■ 79.5801, 0.2852,
0.3591

■ 87.3662, 0.3042,
0.3370

■ 76.5132, 0.2768,
0.3717


■ 92.1358, 0.3144,
0.3275

■ 73.9602, 0.2696,
0.3852

■ 93.7881, 0.3132,
0.3194

■ 71.8901, 0.2640,
0.3994

 70.2687, 0.2602,
0.4140

 69.0570, 0.2584,
0.4289

 68.2091, 0.2587,
0.4437

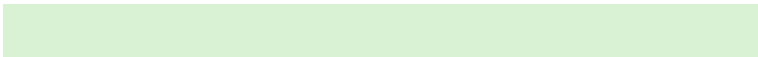
 67.6604, 0.2608,
0.4581

 67.5844, 0.2612,
0.4604

Harmonies

Analogous

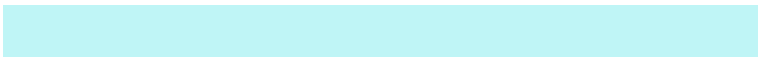
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1856, 0.3146, 0.3614



83.1856, 0.2944, 0.3475



83.1856, 0.2794, 0.3284

Triad

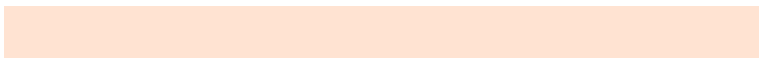
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1856, 0.2944, 0.3475



83.1856, 0.2903, 0.2942



83.1856, 0.3539, 0.3457

Complementary

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



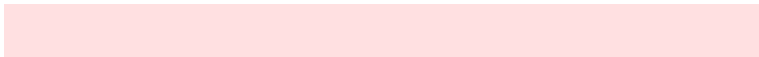
83.1856, 0.2944, 0.3475



65.7386, 0.3354, 0.3112

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.



83.1856, 0.3470, 0.3282



83.1856, 0.2944, 0.3475



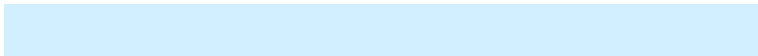
83.1856, 0.3098, 0.2992

Square

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



83.1856, 0.2944, 0.3475



83.1856, 0.2771, 0.2980



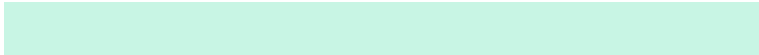
83.1856, 0.3307, 0.3114



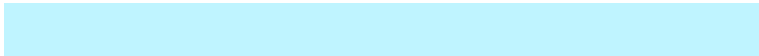
83.1856, 0.3493, 0.3596

Rectangle

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



83.1856, 0.2944, 0.3475



83.1856, 0.2742, 0.3158



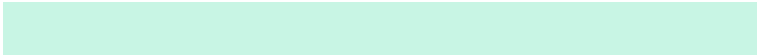
83.1856, 0.3307, 0.3114



83.1856, 0.3529, 0.3400

Sweetspot

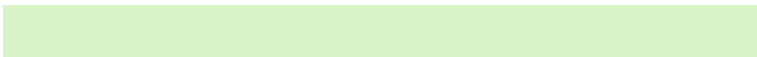
The Sweet Spot groups the original color and five complimentary colors.



83.1891, 0.2944, 0.3475



96.8455, 0.3066, 0.3347



84.2701, 0.3216, 0.3776



20.6585, 0.3059, 0.3353



0.0000, 0.0000, 0.0000



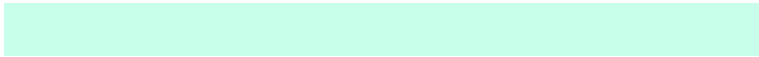
21.4041, 0.3127, 0.3290

Same Dimension

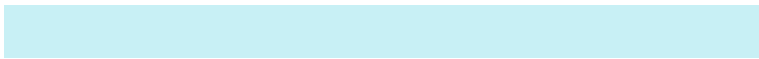
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1891, 0.2944, 0.3475



89.5757, 0.2909, 0.3516



81.0503, 0.2848, 0.3233



18.6453, 0.3031, 0.3381



36.4351, 0.2606, 0.4581



3.2222, 0.2556, 0.4400

Inverse Universe

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



65.7386, 0.3354, 0.3112



67.2351, 0.3411, 0.3075



67.3711, 0.3476, 0.3347



16.5863, 0.3234, 0.3201



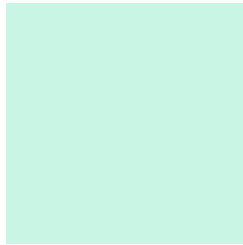
10.9058, 0.5467, 0.2785



0.9778, 0.5127, 0.2598

Previews

White Background



This preview shows how the Yxy color 83.1856, 0.2944, 0.3475 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 83.1856, 0.2944, 0.3475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

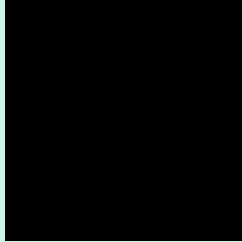
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

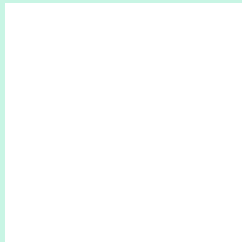
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1856, 0.2944, 0.3475

Background



This preview shows how black text looks on a background with the Yxy color 83.1856, 0.2944, 0.3475.

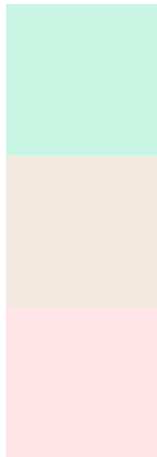


This preview shows how white text looks on a background with the Yxy color 83.1856, 0.2944, 0.3475.

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

83.1856, 0.2944, 0.3475

Protanopia

82.9968, 0.3258, 0.3413

Deuteranopia

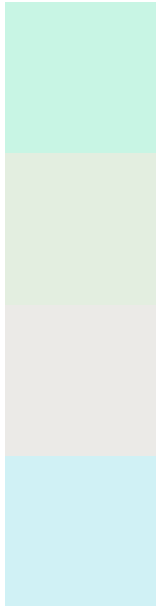
82.5730, 0.3289, 0.3251



Tritanopia

82.9501, 0.2864, 0.3123

Trichromacy



Original Color

83.1856, 0.2944, 0.3475

Protanomaly

82.8618, 0.3140, 0.3437

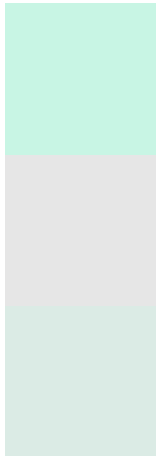
Deuteranomaly

82.2773, 0.3153, 0.3321

Tritanomaly

82.9131, 0.2896, 0.3247

Monochromacy



Original Color

83.1856, 0.2944, 0.3475

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

80.1339, 0.3058, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1856, 0.2944, 0.3475 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, 245, 228)` looks like.

```
.text, #text, p{  
    color:rgb(200, 245, 228)  
}
```

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, 245, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 245, 228) }
```

Border

The CSS property to change the border of an element to Yxy 83.1856, 0.2944, 0.3475 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, 245, 228) }
```

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

```
.border{ border-color:rgb(200, 245, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 245, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 245, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 245, 228);  
box-shadow:4px 4px 4px 4px rgb(200, 245,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1856, 0.2944, 0.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 245, 228) }
```

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

```
.background{ background-color: rgb(200,  
245, 228) }
```

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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