

Converting Colors

$Yxy(83.1587, 0.2888, 0.3485)$

Have a look what the booklet for
Yxy(83.1587, 0.2888, 0.3485)
contains.

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Color

Yxy(83.2550, 0.2886, 0.3488)

Conversions

Conversions Part 1

Format	Color
Hex	BFF7E5
RGB	191, 247, 229
RGB Percent	75%, 97%, 90%
CMY	0.2510, 0.0313, 0.1021
CMYK	0.23, 0.00, 0.07, 0.03
HSL	161°, 78%, 86%
HSV	161°, 23%, 97%
XYZ	68.8859, 83.2550, 86.5489
YIQ	228.2040, -27.5980, -17.4700

Conversions

Conversions Part 2

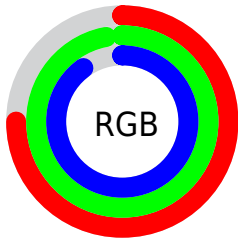
Format	Color
RYB	191, 224, 247
Decimal	12580837
CIELab	93.13, -21.25, 2.88
CIELCh	93, 21.440, 172.276
Yxy	83.2550, 0.2886, 0.3488
Android (android.graphics.Color)	4290770917 (0xFFBFF7E5)
YUV	228.2040, 0.3924, -32.6279
Hunter-Lab	91.2442, -24.9166, 7.6319

Details

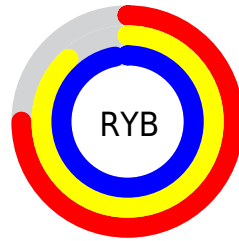
The Yxy color **83.2550, 0.2886, 0.3488** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.6416, 0.3446, 0.3101**, and the grayscale version is **77.7529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **45.5518, 0.2826, 0.3534** is the 20% darker color. If you saturate the color by 10%, you get **79.8874, 0.2790, 0.3589**, and if you desaturate by 10%, it is **87.1899, 0.2989, 0.3395**.

Distribution



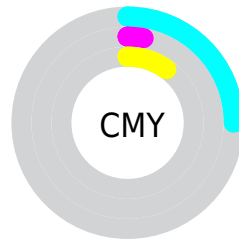
- Red (75%)
- Green (97%)
- Blue (90%)



- Red (75%)
- Yellow (88%)
- Blue (97%)



- Cyan (23%)
- Magenta (0%)
- Yellow (7%)
- Black (3%)





- Cyan (25%)
- Magenta (3%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2550, 0.2886, 0.3488 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 83.2550, 0.2886, 0.3488 by changing the saturation by 10% instead.

 83.2550, 0.2886,
0.3488

 83.2550, 0.2886,
0.3488

505.8360, 0.2995,
0.3398

 62.4005, 0.2862,
0.3508


 137.9326, 0.2924,
0.3457

 45.3564, 0.2832,
0.3534


172.5244, 0.2938,
0.3445

 31.7383, 0.2794,
0.3565


212.4642, 0.2951,
0.3434

 21.1617, 0.2745,
0.3606

258.1364, 0.2962,
0.3425

 13.2422, 0.2680,
0.3662

309.9252, 0.2972,
0.3417

 7.5956, 0.2589,
0.3740

368.2152, 0.2981,

 3.8373, 0.2450,

0.3410

0.3861

433.3906, 0.2988,
0.3403

■ 1.5829, 0.2218,
0.4070

■ 0.3461, 0.0000,
0.6637

■ 83.2550, 0.2886,
0.3488

■ 83.2550, 0.2886,
0.3488

■ 79.8874, 0.2790,
0.3589

■ 87.1899, 0.2989,
0.3395

■ 77.0494, 0.2706,
0.3699


■ 91.7071, 0.3098,
0.3311


■ 74.7147, 0.2635,
0.3815


■ 94.8677, 0.3144,
0.3234

■ 72.8507, 0.2582,
0.3936

■ 95.0065, 0.3131,
0.3214

 71.4207, 0.2548,
0.4060

 70.3826, 0.2534,
0.4185

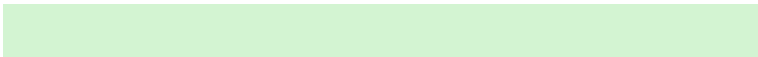
 69.6851, 0.2540,
0.4308

 69.3344, 0.2555,
0.4397

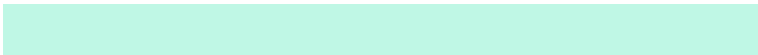
Harmonies

Analogous

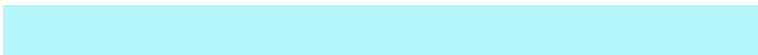
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2550, 0.3121, 0.3666



83.2550, 0.2886, 0.3488



83.2550, 0.2719, 0.3256

Triad

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



83.2550, 0.2886, 0.3488



83.2550, 0.2882, 0.2881



83.2550, 0.3619, 0.3506

Complementary

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



83.2550, 0.2886, 0.3488



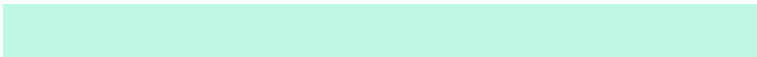
61.6416, 0.3446, 0.3101

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.



83.2550, 0.3551, 0.3301



83.2550, 0.2886, 0.3488



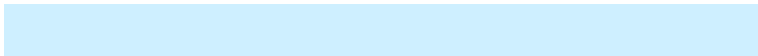
83.2550, 0.3118, 0.2950

Square

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



83.2550, 0.2886, 0.3488



83.2550, 0.2717, 0.2912



83.2550, 0.3365, 0.3101



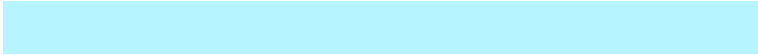
83.2550, 0.3548, 0.3666

Rectangle

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



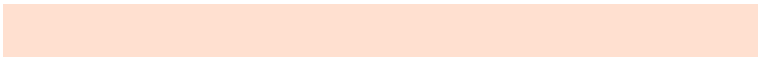
83.2550, 0.2886, 0.3488



83.2550, 0.2666, 0.3109



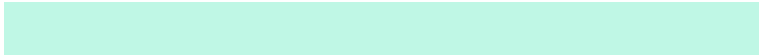
83.2550, 0.3365, 0.3101



83.2550, 0.3612, 0.3440

Sweetspot

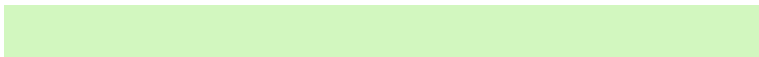
The Sweet Spot groups the original color and five complimentary colors.



83.2584, 0.2886, 0.3488



96.4057, 0.3050, 0.3346



83.9410, 0.3217, 0.3905



20.5717, 0.3044, 0.3351



0.0000, 0.0000, 0.0000



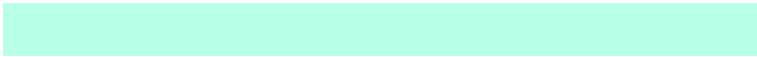
21.4041, 0.3127, 0.3290

Same Dimension

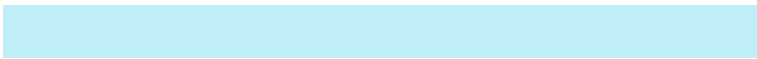
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2584, 0.2886, 0.3488



87.8516, 0.2843, 0.3531



78.7510, 0.2783, 0.3187



18.6617, 0.3024, 0.3367



36.6931, 0.2549, 0.4377



3.2437, 0.2507, 0.4223

Inverse Universe

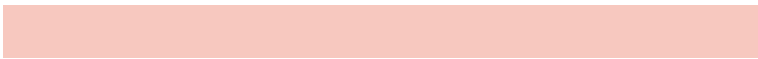
The Inverse Universe completely reimagines the original color for something new.



61.6416, 0.3446, 0.3101



61.0107, 0.3527, 0.3063



65.0003, 0.3573, 0.3390



16.5705, 0.3243, 0.3214



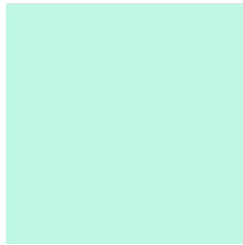
10.7834, 0.5685, 0.2905



0.9658, 0.5332, 0.2711

Previews

White Background



This preview shows how the Yxy color 83.2550, 0.2886, 0.3488 looks on a white background.

Color Contrast Check

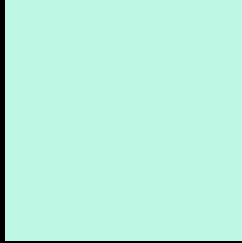
Large Text (above 18pt) WCAG AA × Fail

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 83.2550, 0.2886, 0.3488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

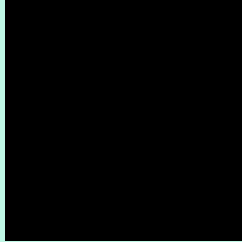
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

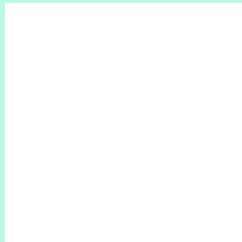
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.2550, 0.2886, 0.3488

Background



This preview shows how black text looks on a background with the Yxy color 83.2550, 0.2886, 0.3488.

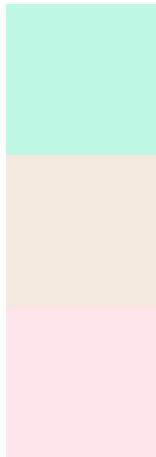


This preview shows how white text looks on a background with the Yxy color 83.2550, 0.2886, 0.3488.

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

83.2550, 0.2886, 0.3488

Protanopia

82.9968, 0.3258, 0.3413

Deuteranopia

82.6300, 0.3283, 0.3241



Tritanopia

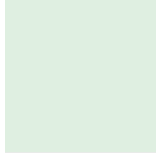
82.9501, 0.2840, 0.3132

Trichromacy



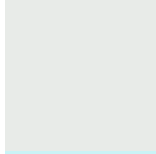
Original Color

83.2550, 0.2886, 0.3488



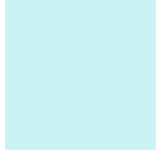
Protanomaly

82.8572, 0.3107, 0.3438



Deuteranomaly

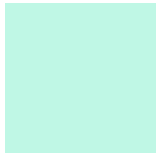
82.3987, 0.3126, 0.3321



Tritanomaly

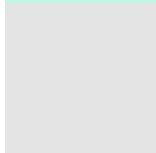
83.3116, 0.2856, 0.3257

Monochromacy



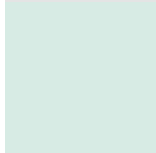
Original Color

83.2550, 0.2886, 0.3488



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.4652, 0.3038, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2550, 0.2886, 0.3488 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(191, 247, 229)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 247, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 247, 229) }
```

Border

The CSS property to change the border of an element to Yxy 83.2550, 0.2886, 0.3488 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(191, 247, 229) }
```

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

```
.border{ border-color:rgb(191, 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(191, 247, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 247, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 247, 229); box-shadow:4px 4px 4px 4px rgb(191, 247, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2550, 0.2886, 0.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 247, 229) }
```

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

```
.background{ background-color: rgb(191,  
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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