

# Converting Colors

$Yxy(82.3894, 0.2834, 0.3491)$

Have a look what the booklet for  
Yxy(82.3894, 0.2834, 0.3491)  
contains.

<b>Yxy(82.1238, 0.2835, 0.3490)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(82.1238, 0.2835, 0.3490)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6F7E5
RGB	182, 247, 229
RGB Percent	71%, 97%, 90%
CMY	0.2860, 0.0314, 0.1019
CMYK	0.26, 0.00, 0.07, 0.03
HSL	163°, 80%, 84%
HSV	163°, 26%, 97%
XYZ	66.7109, 82.1238, 86.4771
YIQ	225.5130, -32.9620, -19.3780

# Conversions

## Conversions Part 2

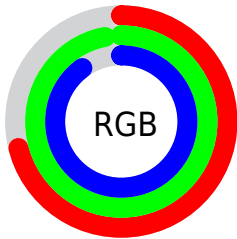
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	182, 220, 247
Decimal	11991013
CIE Lab	92.63, -23.88, 2.08
CIE LCh	93, 23.973, 175.030
Yxy	82.1238, 0.2835, 0.3490
Android (android.graphics.Color)	4290181093 (0xFFB6F7E5)
YUV	225.5130, 1.7191, -38.1609
Hunter-Lab	90.6222, -27.1873, 6.8575

# Details

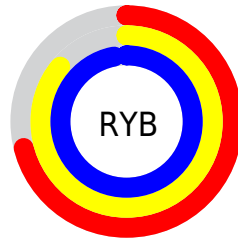
The Yxy color **82.1238, 0.2835, 0.3490** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.4337, 0.3537, 0.3100**, and the grayscale version is **75.7026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **44.3949, 0.2763, 0.3524** is the 20% darker color. If you saturate the color by 10%, you get **79.0043, 0.2738, 0.3579**, and if you desaturate by 10%, it is **85.7955, 0.2941, 0.3408**.

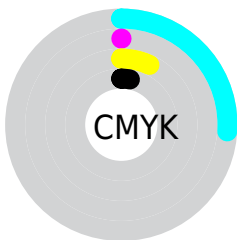
# Distribution



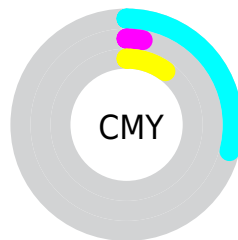
- Red (71%)
- Green (97%)
- Blue (90%)



- Red (71%)
- Yellow (86%)
- Blue (97%)



- Cyan (26%)
- Magenta (0%)
- Yellow (7%)
- Black (3%)




- Cyan (29%)
- Magenta (3%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1238, 0.2835, 0.3490 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 82.1238, 0.2835, 0.3490 by changing the saturation by 10% instead.




 82.1238, 0.2835,  
0.3490

 82.1238, 0.2835,  
0.3490

502.0617, 0.2968,  
0.3399

 61.4676, 0.2805,  
0.3511


 136.3476, 0.2880,  
0.3459

 44.6026, 0.2769,  
0.3536


170.6840, 0.2898,  
0.3446

 31.1446, 0.2723,  
0.3568


210.3492, 0.2914,  
0.3436

 20.7089, 0.2665,  
0.3609

255.7276, 0.2927,  
0.3426

 12.9114, 0.2586,  
0.3665

307.2037, 0.2939,  
0.3418

 7.3676, 0.2475,  
0.3744

365.1618, 0.2950,

 3.6930, 0.2309,

0.3411

429.9864, 0.2959,  
0.3405

0.3865

1.5034, 0.2022,  
0.4076

0.2911, 0.0000,  
0.6289

82.1238, 0.2835,  
0.3490

82.1238, 0.2835,  
0.3490

79.0043, 0.2738,  
0.3579

85.7955, 0.2941,  
0.3408

76.3988, 0.2654,  
0.3674

90.0353, 0.3054,  
0.3333

74.2802, 0.2585,  
0.3774

94.6467, 0.3163,  
0.3266

72.6146, 0.2535,  
0.3877

94.9939, 0.3131,  
0.3214

■ 71.3637, 0.2504,  
0.3983

■ 70.4827, 0.2494,  
0.4089

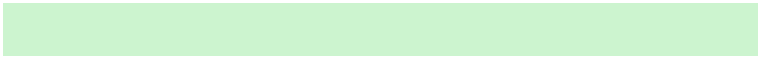
■ 69.9159, 0.2503,  
0.4193

■ 69.7530, 0.2509,  
0.4232

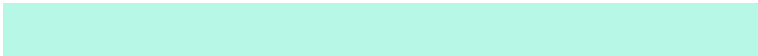
# Harmonies

## Analogous

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



82.1238, 0.3093, 0.3701



82.1238, 0.2835, 0.3490



82.1238, 0.2659, 0.3226

# Triad

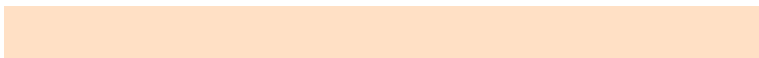
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.1238, 0.2835, 0.3490



82.1238, 0.2874, 0.2835



82.1238, 0.3679, 0.3549

# Complementary

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



82.1238, 0.2835, 0.3490



57.4337, 0.3537, 0.3100

# 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.



82.1238, 0.3617, 0.3322



82.1238, 0.2835, 0.3490



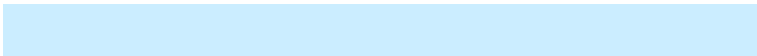
82.1238, 0.3142, 0.2923

# Square

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



82.1238, 0.2835, 0.3490



82.1238, 0.2681, 0.2858



82.1238, 0.3417, 0.3097

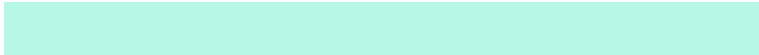


82.1238, 0.3585, 0.3723



# Rectangle

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



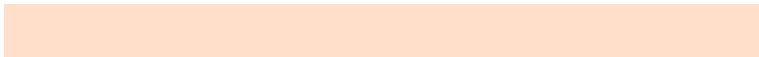
82.1238, 0.2835, 0.3490



82.1238, 0.2608, 0.3064



82.1238, 0.3417, 0.3097



82.1238, 0.3676, 0.3477

# Sweetspot

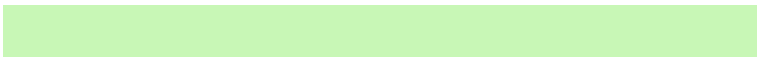
The Sweet Spot groups the original color and five complimentary colors.



82.1272, 0.2835, 0.3490



95.9757, 0.3034, 0.3346



82.2391, 0.3209, 0.4019



20.3906, 0.3017, 0.3357



0.0000, 0.0000, 0.0000

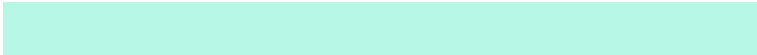


21.4041, 0.3127, 0.3290

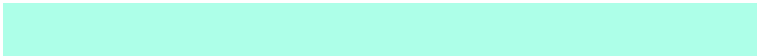


# Same Dimension

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



82.1272, 0.2835, 0.3490



86.2995, 0.2778, 0.3541



74.9048, 0.2727, 0.3132



18.6750, 0.3017, 0.3356



36.9196, 0.2504, 0.4214



3.2622, 0.2468, 0.4083



# Inverse Universe

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



57.4337, 0.3537, 0.3100



55.2858, 0.3661, 0.3056



62.6978, 0.3655, 0.3442



16.5579, 0.3250, 0.3225



10.7016, 0.5844, 0.2993

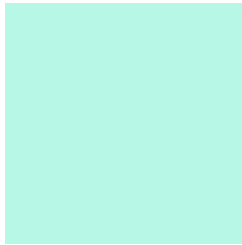


0.9573, 0.5491, 0.2798



# Previews

## White Background



This preview shows how the Yxy color 82.1238, 0.2835, 0.3490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

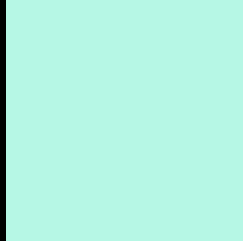
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.1238, 0.2835, 0.3490 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 82.1238, 0.2835, 0.3490**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.1238, 0.2835, 0.3490.

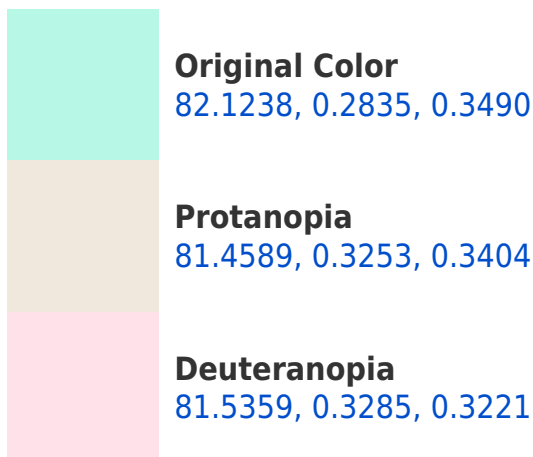


This preview shows how white text looks on a background with the Yxy color 82.1238, 0.2835, 0.3490.

# 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

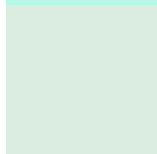
81.9577, 0.2800, 0.3130

# Trichromacy



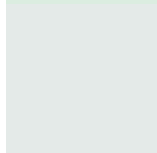
## Original Color

82.1238, 0.2835, 0.3490



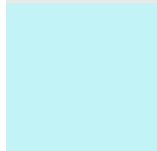
## Protanomaly

81.0103, 0.3088, 0.3429



## Deuteranomaly

81.1658, 0.3099, 0.3311



## Tritanomaly

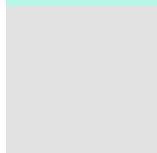
82.2243, 0.2809, 0.3257

# Monochromacy



## Original Color

82.1238, 0.2835, 0.3490



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

78.0933, 0.3011, 0.3366

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.1238, 0.2835, 0.3490 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(182, 247, 229)` looks like.

```
.text, #text, p{  
    color:rgb(182, 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(182, 247, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 247, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 82.1238, 0.2835, 0.3490 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(182, 247, 229) }
```

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

```
.border{ border-color:rgb(182, 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(182, 247, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 247, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 247, 229);  
box-shadow:4px 4px 4px 4px rgb(182, 247,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.1238, 0.2835, 0.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 247, 229) }
```

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

```
.background{ background-color: rgb(182,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor