

# Converting Colors

$Yxy(80.1429, 0.2821, 0.3505)$

Have a look what the booklet for  
Yxy(80.1429, 0.2821, 0.3505)  
contains.

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# Color

**Yxy(80.1429, 0.2821, 0.3505)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1F5E2
RGB	177, 245, 226
RGB Percent	69%, 96%, 89%
CMY	0.3060, 0.0392, 0.1138
CMYK	0.28, 0.00, 0.08, 0.04
HSL	163°, 77%, 83%
HSV	163°, 28%, 96%
XYZ	64.5030, 80.1429, 84.0071
YIQ	222.5020, -34.4290, -20.3250

# Conversions

## Conversions Part 2

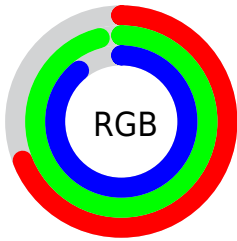
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	177, 217, 245
Decimal	11662818
CIE Lab	91.75, -25.04, 2.34
CIE LCh	92, 25.154, 174.664
Yxy	80.1429, 0.2821, 0.3505
Android (android.graphics.Color)	4289852898 (0xFFB1F5E2)
YUV	222.5020, 1.7245, -39.9053
Hunter-Lab	89.5226, -28.0512, 7.0286

# Details

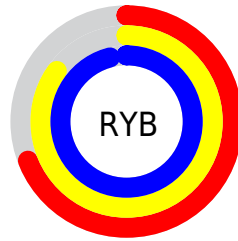
The Yxy color **80.1429, 0.2821, 0.3505** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **54.8311, 0.3566, 0.3087**, and the grayscale version is **73.4224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **43.4730, 0.2748, 0.3558** is the 20% darker color. If you saturate the color by 10%, you get **77.1547, 0.2726, 0.3596**, and if you desaturate by 10%, it is **83.6692, 0.2926, 0.3421**.

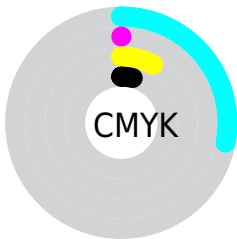
# Distribution



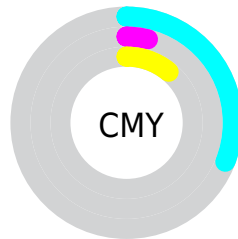
- Red (69%)
- Green (96%)
- Blue (89%)



- Red (69%)
- Yellow (85%)
- Blue (96%)



- Cyan (28%)
- Magenta (0%)
- Yellow (8%)
- Black (4%)




- Cyan (31%)
- Magenta (4%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1429, 0.2821, 0.3505 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 80.1429, 0.2821, 0.3505 by changing the saturation by 10% instead.





 80.1429, 0.2821,  
0.3505

 80.1429, 0.2821,  
0.3505


495.4143, 0.2961,  
0.3406

 59.8360, 0.2790,  
0.3527


 133.5666, 0.2869,  
0.3471

 43.2864, 0.2751,  
0.3555

167.4522, 0.2888,  
0.3458

 30.1099, 0.2703,  
0.3590


206.6327, 0.2904,  
0.3446

 19.9220, 0.2640,  
0.3635

251.4927, 0.2918,  
0.3436

 12.3384, 0.2556,  
0.3696

302.4164, 0.2931,  
0.3427

 6.9746, 0.2437,  
0.3784


359.7883, 0.2942,


 3.4462, 0.2256,

0.3420


423.9928, 0.2952,  
0.3413


0.3920

 1.3689, 0.1907,  
0.4178

 0.1936, 0.0000,  
0.8037

 80.1429, 0.2821,  
0.3505


 80.1429, 0.2821,  
0.3505


 77.1547, 0.2726,  
0.3596

 83.6692, 0.2926,  
0.3421


 74.6669, 0.2644,  
0.3693

 87.7494, 0.3037,  
0.3344

 72.6524, 0.2579,  
0.3794

 92.4110, 0.3153,  
0.3275

 71.0773, 0.2531,  
0.3899

 93.6899, 0.3141,  
0.3210

■ 69.9035, 0.2504,  
0.4006

■ 93.7930, 0.3132,  
0.3195

■ 69.0857, 0.2496,  
0.4113

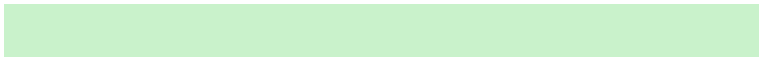
■ 68.5633, 0.2508,  
0.4218

■ 68.4671, 0.2512,  
0.4242

# Harmonies

## Analogous

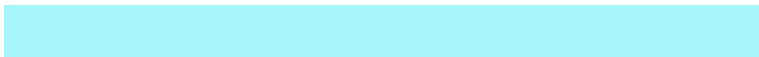
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1429, 0.3094, 0.3728



80.1429, 0.2821, 0.3505



80.1429, 0.2634, 0.3225

# Triad

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



80.1429, 0.2821, 0.3505



80.1429, 0.2856, 0.2810



80.1429, 0.3712, 0.3560

# Complementary

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



80.1429, 0.2821, 0.3505



54.8311, 0.3566, 0.3087

# 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.



80.1429, 0.3644, 0.3320



80.1429, 0.2821, 0.3505



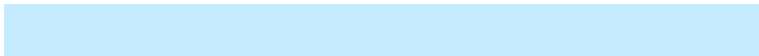
80.1429, 0.3139, 0.2901

# Square

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



80.1429, 0.2821, 0.3505



80.1429, 0.2654, 0.2835



80.1429, 0.3431, 0.3083



80.1429, 0.3614, 0.3745



# Rectangle

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



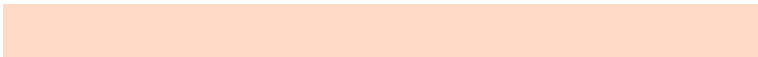
80.1429, 0.2821, 0.3505



80.1429, 0.2580, 0.3053



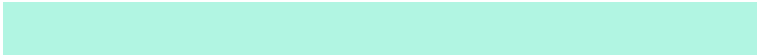
80.1429, 0.3431, 0.3083



80.1429, 0.3708, 0.3483

# Sweetspot

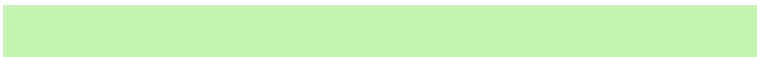
The Sweet Spot groups the original color and five complimentary colors.



80.1462, 0.2821, 0.3505



95.9721, 0.3035, 0.3346



80.2548, 0.3213, 0.4066



20.3897, 0.3017, 0.3357



0.0000, 0.0000, 0.0000

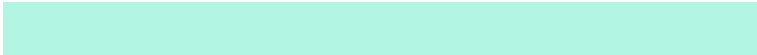


21.4041, 0.3127, 0.3290

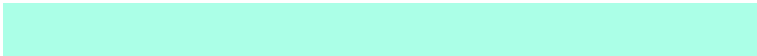


# Same Dimension

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



80.1462, 0.2821, 0.3505



85.9570, 0.2769, 0.3552



72.6805, 0.2706, 0.3122



18.6741, 0.3018, 0.3357



36.9048, 0.2507, 0.4224



3.2610, 0.2470, 0.4092



# Inverse Universe

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



54.8311, 0.3566, 0.3087



54.2415, 0.3681, 0.3046



60.1597, 0.3693, 0.3451



16.5587, 0.3250, 0.3224



10.7064, 0.5834, 0.2988

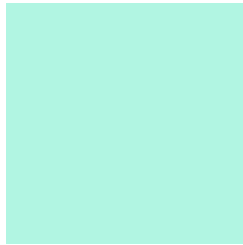


0.9578, 0.5481, 0.2793



# Previews

## White Background



This preview shows how the Yxy color 80.1429, 0.2821, 0.3505 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

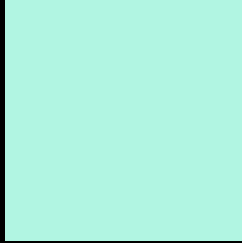
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.1429, 0.2821, 0.3505 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

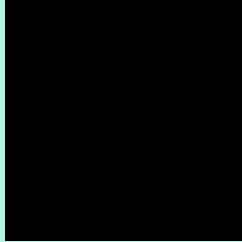
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

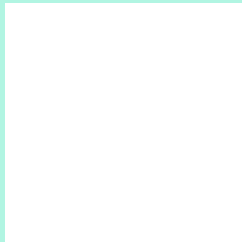
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.1429, 0.2821, 0.3505**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.1429, 0.2821, 0.3505.

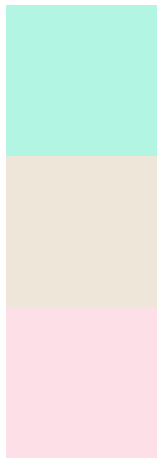


This preview shows how white text looks on a background with the Yxy color 80.1429, 0.2821, 0.3505.

# 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

80.1429, 0.2821, 0.3505

### Protanopia

79.7805, 0.3267, 0.3426

### Deuteranopia

79.2403, 0.3280, 0.3210



## Tritanopia

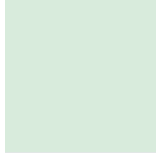
80.1595, 0.2747, 0.3117

# Trichromacy



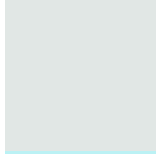
## Original Color

80.1429, 0.2821, 0.3505



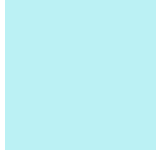
## Protanomaly

79.1829, 0.3093, 0.3452



## Deuteranomaly

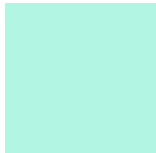
78.8165, 0.3099, 0.3311



## Tritanomaly

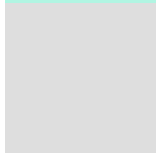
80.0070, 0.2779, 0.3256

# Monochromacy



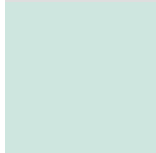
## Original Color

80.1429, 0.2821, 0.3505



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

75.0432, 0.3009, 0.3367

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.1429, 0.2821, 0.3505 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(177, 245, 226)` looks like.

```
.text, #text, p{  
    color:rgb(177, 245, 226)  
}
```

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(177, 245, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 245, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 80.1429, 0.2821, 0.3505 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(177, 245, 226) }
```

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

```
.border{ border-color:rgb(177, 245, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 245, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 245, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 245, 226);  
box-shadow:4px 4px 4px 4px rgb(177, 245,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.1429, 0.2821, 0.3505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 245, 226) }
```

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

```
.background{ background-color: rgb(177,  
245, 226) }
```

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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