

# Converting Colors

$Yxy(81.7948, 0.2746, 0.3241)$

Have a look what the booklet for  
Yxy(81.7948, 0.2746, 0.3241)  
contains.

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# Color

**Yxy(81.7930, 0.2750, 0.3245)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9F4F8
RGB	185, 244, 248
RGB Percent	73%, 96%, 97%
CMY	0.2742, 0.0432, 0.0274
CMYK	0.25, 0.02, 0.00, 0.03
HSL	184°, 82%, 85%
HSV	184°, 25%, 97%
XYZ	69.3161, 81.7930, 100.9494
YIQ	226.8150, -36.4480, -11.2640

# Conversions

## Conversions Part 2

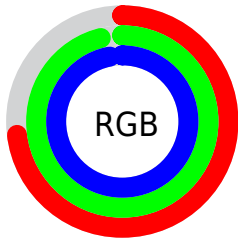
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	185, 215, 248
Decimal	12186872
CIE Lab	92.48, -17.54, -7.98
CIE LCh	92, 19.272, 204.458
Yxy	81.7930, 0.2750, 0.3245
Android (android.graphics.Color)	4290376952 (0xFFB9F4F8)
YUV	226.8150, 10.4442, -36.6718
Hunter-Lab	90.4395, -21.4602, -2.8724

# Details

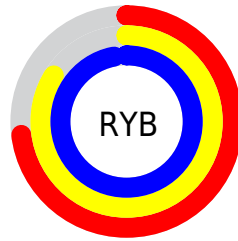
The Yxy color **81.7930, 0.2750, 0.3245** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.9031, 0.3657, 0.3335**, and the grayscale version is **76.6298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **44.5180, 0.2665, 0.3232** is the 20% darker color. If you saturate the color by 10%, you get **78.0244, 0.2619, 0.3225**, and if you desaturate by 10%, it is **86.1145, 0.2892, 0.3264**.

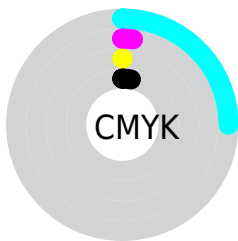
# Distribution



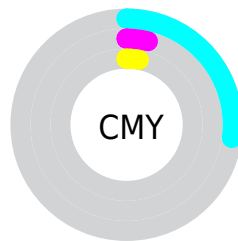
- Red (73%)
- Green (96%)
- Blue (97%)



- Red (73%)
- Yellow (84%)
- Blue (97%)



- Cyan (25%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)




- Cyan (27%)
- Magenta (4%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7930, 0.2750, 0.3245 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 81.7930, 0.2750, 0.3245 by changing the saturation by 10% instead.




 81.7930, 0.2750,  
0.3245

 81.7930, 0.2750,  
0.3245


500.9550, 0.2919,  
0.3268

 61.1949, 0.2713,  
0.3239

 135.8837, 0.2808,  
0.3253

 44.3825, 0.2667,  
0.3232


170.1451, 0.2830,  
0.3256

 30.9713, 0.2611,  
0.3223


209.7297, 0.2850,  
0.3259

 20.5770, 0.2538,  
0.3210

255.0219, 0.2867,  
0.3261

 12.8152, 0.2443,  
0.3191

306.4062, 0.2882,  
0.3263

 7.3014, 0.2311,  
0.3163

364.2669, 0.2896,

 3.6513, 0.2117,

0.3265

428.9883, 0.2908,  
0.3267

0.3115

1.4805, 0.1809,  
0.3022

0.2749, 0.0000,  
0.2428

81.7930, 0.2750,  
0.3245

81.7930, 0.2750,  
0.3245

78.0244, 0.2619,  
0.3225

86.1145, 0.2892,  
0.3264

74.7709, 0.2503,  
0.3204

91.0048, 0.3043,  
0.3281

72.0052, 0.2404,  
0.3183

95.6319, 0.3171,  
0.3297

69.6937, 0.2324,  
0.3161

96.6149, 0.3170,  
0.3312

67.7983, 0.2263,  
0.3139

97.6061, 0.3169,  
0.3328

66.2746, 0.2222,  
0.3117

98.6057, 0.3168,  
0.3343

65.0678, 0.2198,  
0.3095

99.5580, 0.3168,  
0.3357

64.5794, 0.2191,  
0.3086

# Harmonies

## Analogous

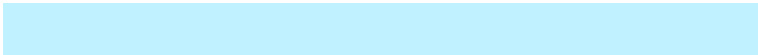
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7930, 0.2896, 0.3454



81.7930, 0.2750, 0.3245



81.7930, 0.2703, 0.3058

# Triad

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



81.7930, 0.2750, 0.3245



81.7930, 0.3136, 0.2989



81.7930, 0.3499, 0.3638

# Complementary

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



81.7930, 0.2750, 0.3245



59.9031, 0.3657, 0.3335

# 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.



81.7930, 0.3571, 0.3499



81.7930, 0.2750, 0.3245



81.7930, 0.3357, 0.3131

# Square

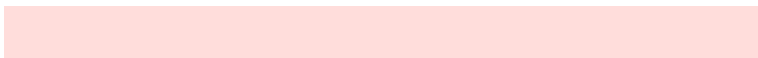
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7930, 0.2750, 0.3245



81.7930, 0.2920, 0.2920



81.7930, 0.3519, 0.3315

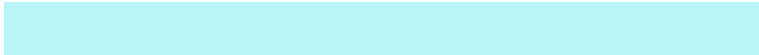


81.7930, 0.3327, 0.3686

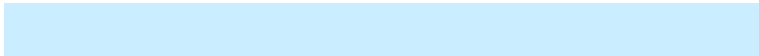


# Rectangle

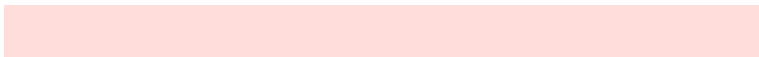
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7930, 0.2750, 0.3245



81.7930, 0.2731, 0.2971



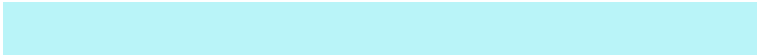
81.7930, 0.3519, 0.3315



81.7930, 0.3536, 0.3600

# Sweetspot

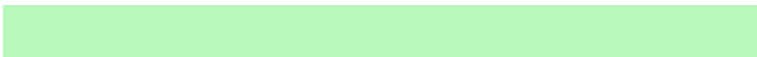
The Sweet Spot groups the original color and five complimentary colors.



81.7963, 0.2750, 0.3245



95.5049, 0.3003, 0.3277



81.1064, 0.3076, 0.3979



20.2708, 0.2980, 0.3274



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.



81.7963, 0.2750, 0.3245



85.1834, 0.2687, 0.3236



64.8908, 0.2719, 0.2898



19.4073, 0.2980, 0.3274



34.9619, 0.2191, 0.3089



3.2938, 0.2199, 0.3115



# Inverse Universe

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



61.2198, 0.3187, 0.2694



60.2091, 0.3199, 0.2584



74.4891, 0.3579, 0.3652



17.5043, 0.3148, 0.3071



13.9403, 0.3377, 0.1634

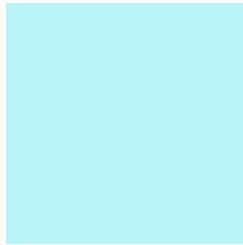


1.2967, 0.3354, 0.1622



# Previews

## White Background



This preview shows how the Yxy color 81.7930, 0.2750, 0.3245 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

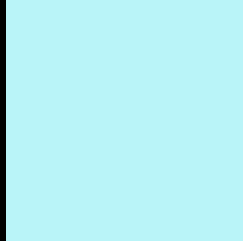
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.7930, 0.2750, 0.3245 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

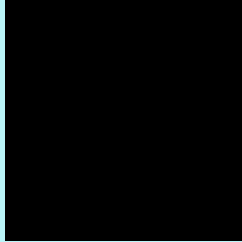
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.7930, 0.2750, 0.3245**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.7930, 0.2750, 0.3245.

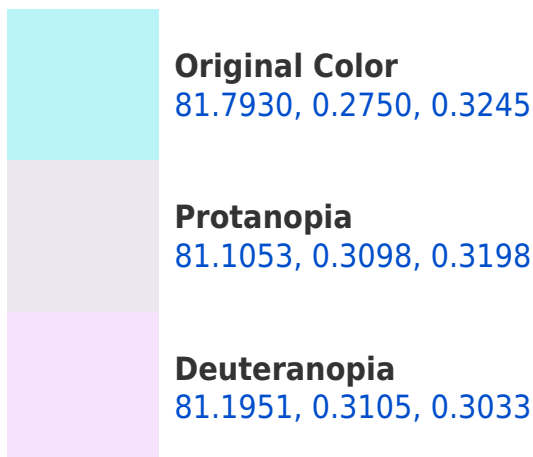


This preview shows how white text looks on a background with the Yxy color 81.7930, 0.2750, 0.3245.

# 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

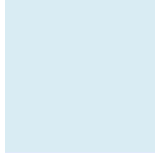
81.6823, 0.2788, 0.3130

# Trichromacy



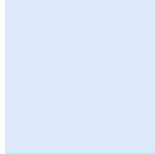
## Original Color

81.7930, 0.2750, 0.3245



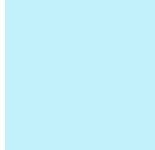
## Protanomaly

81.2137, 0.2962, 0.3216



## Deuteranomaly

81.0902, 0.2959, 0.3104



## Tritanomaly

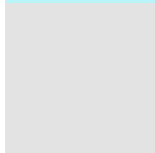
81.4082, 0.2776, 0.3171

# Monochromacy



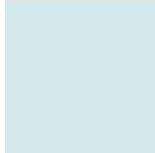
## Original Color

81.7930, 0.2750, 0.3245



## Achromatopsia

76.8151, 0.3127, 0.3290



## Achromatomaly

78.2730, 0.2976, 0.3268

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.7930, 0.2750, 0.3245 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(185, 244, 248)` looks like.

```
.text, #text, p{  
    color:rgb(185, 244, 248)  
}
```

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(185, 244, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 244, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 81.7930, 0.2750, 0.3245 is called "border". The border property can be set on classes, ids or directly on the HTML element.

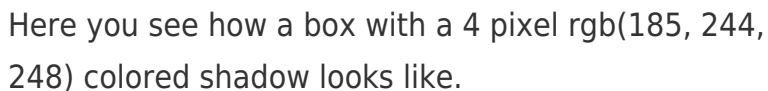
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 244, 248) }
```

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

```
.border{ border-color:rgb(185, 244, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 244, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 244, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 244, 248); box-shadow:4px 4px 4px 4px rgb(185, 244, 248) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.7930, 0.2750, 0.3245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 244, 248) }
```

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

```
.background{ background-color: rgb(185,  
244, 248) }
```

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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