

Converting Colors

$Yxy(81.7769, 0.2794, 0.3315)$

Have a look what the booklet for
Yxy(81.7769, 0.2794, 0.3315)
contains.

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Color

Yxy(81.6770, 0.2792, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	BBF4F2
RGB	187, 244, 242
RGB Percent	73%, 96%, 95%
CMY	0.2666, 0.0431, 0.0510
CMYK	0.23, 0.00, 0.01, 0.04
HSL	178°, 72%, 85%
HSV	178°, 23%, 96%
XYZ	68.8741, 81.6770, 96.1327
YIQ	226.7290, -33.3300, -12.7060

Conversions

Conversions Part 2

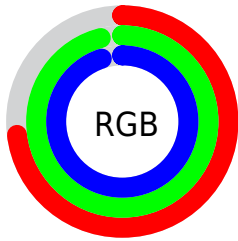
Format	Color
R _Y B	187, 216, 244
Decimal	12317938
CIE Lab	92.43, -18.28, -4.92
CIE LCh	92, 18.930, 195.049
Yxy	81.6770, 0.2792, 0.3311
Android (android.graphics.Color)	4290508018 (0xFFBBF4F2)
YUV	226.7290, 7.5286, -34.8423
Hunter-Lab	90.3753, -22.1238, 0.1957

Details

The Yxy color **81.6770, 0.2792, 0.3311** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.4599, 0.3595, 0.3270**, and the grayscale version is **76.5761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **44.4171, 0.2716, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **78.8078, 0.2667, 0.3321**, and if you desaturate by 10%, it is **85.0759, 0.2930, 0.3302**.

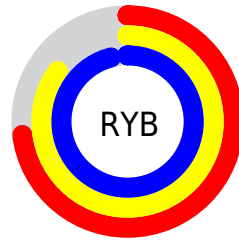
Distribution



Red (73%)

Green (96%)

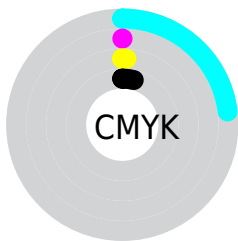
Blue (95%)



Red (73%)

Yellow (85%)

Blue (96%)

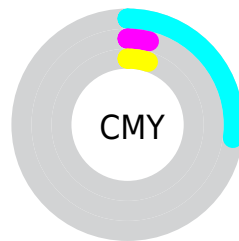


Cyan (23%)

Magenta (0%)

Yellow (1%)

Black (4%)



Cyan (27%)


Magenta (4%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.6770, 0.2792, 0.3311 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 81.6770, 0.2792, 0.3311 by changing the saturation by 10% instead.


 81.6770, 0.2792,
0.3311

 81.6770, 0.2792,
0.3311


500.5666, 0.2943,
0.3303

 61.0993, 0.2759,
0.3312


 135.7210, 0.2843,
0.3309

 44.3053, 0.2718,
0.3314


169.9560, 0.2864,
0.3308

 30.9106, 0.2667,
0.3315


209.5124, 0.2881,
0.3307

 20.5308, 0.2602,
0.3317

254.7743, 0.2897,
0.3306

 12.7815, 0.2515,
0.3318

306.1263, 0.2910,
0.3305

 7.2782, 0.2395,
0.3317

363.9528, 0.2922,

 3.6367, 0.2217,

0.3305

428.6381, 0.2933,
0.3304

0.3313

1.4725, 0.1928,
0.3294

0.2692, 0.0000,
0.2972

81.6770, 0.2792,
0.3311

81.6770, 0.2792,
0.3311

78.8078, 0.2667,
0.3321

85.0759, 0.2930,
0.3302

76.4320, 0.2556,
0.3332

89.0192, 0.3076,
0.3293

74.5241, 0.2463,
0.3343

92.5286, 0.3195,
0.3285

73.0525, 0.2389,
0.3355

92.5811, 0.3190,
0.3276

■ 71.9817, 0.2335,
0.3367

■ 92.6339, 0.3185,
0.3268

■ 71.2704, 0.2299,
0.3378

■ 92.6869, 0.3179,
0.3260

■ 70.8687, 0.2282,
0.3390

■ 92.7402, 0.3174,
0.3251

■ 70.7234, 0.2277,
0.3397

■ 92.7937, 0.3169,
0.3243

■ 92.8475, 0.3164,
0.3235

Harmonies

Analogous

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



81.6770, 0.2960, 0.3510



81.6770, 0.2792, 0.3311



81.6770, 0.2713, 0.3114

Triad

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



81.6770, 0.2792, 0.3311



81.6770, 0.3066, 0.2964



81.6770, 0.3527, 0.3597

Complementary

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



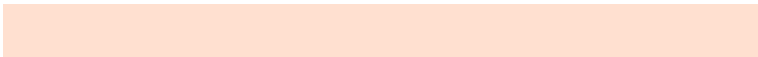
81.6770, 0.2792, 0.3311



58.4599, 0.3595, 0.3270

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.



81.6770, 0.3560, 0.3442



81.6770, 0.2792, 0.3311



81.6770, 0.3289, 0.3084

Square

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



81.6770, 0.2792, 0.3311



81.6770, 0.2867, 0.2923



81.6770, 0.3472, 0.3256



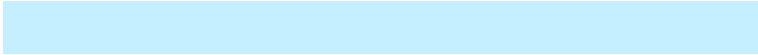
81.6770, 0.3385, 0.3676

Rectangle

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



81.6770, 0.2792, 0.3311



81.6770, 0.2719, 0.3012



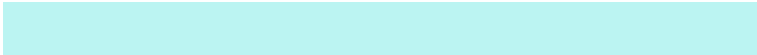
81.6770, 0.3472, 0.3256



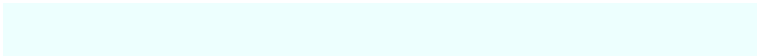
81.6770, 0.3552, 0.3552

Sweetspot

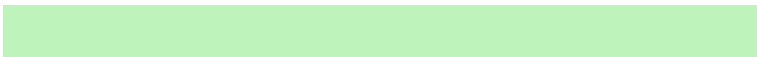
The Sweet Spot groups the original color and five complimentary colors.



81.6803, 0.2792, 0.3311



96.7299, 0.3022, 0.3296



79.2218, 0.3114, 0.3946



20.6469, 0.3013, 0.3296



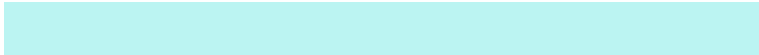
0.0000, 0.0000, 0.0000



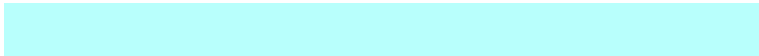
21.4041, 0.3127, 0.3290

Same Dimension

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



81.6803, 0.2792, 0.3311



88.7200, 0.2731, 0.3316



67.4302, 0.2758, 0.3000



18.7471, 0.2985, 0.3298



38.4596, 0.2277, 0.3395



3.3833, 0.2273, 0.3381

Inverse Universe

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



58.4599, 0.3595, 0.3270



58.9252, 0.3723, 0.3265



70.2418, 0.3551, 0.3563



16.4920, 0.3288, 0.3282



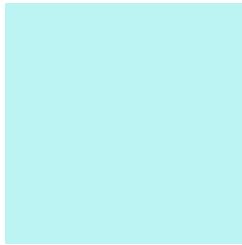
10.4723, 0.6364, 0.3279



0.9237, 0.6271, 0.3228

Previews

White Background



This preview shows how the Yxy color 81.6770, 0.2792, 0.3311 looks on a white background.

Color Contrast Check

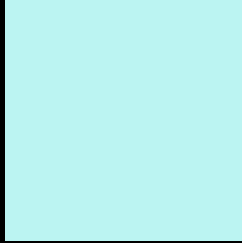
Large Text (above 18pt) WCAG AA × Fail

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 81.6770, 0.2792, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

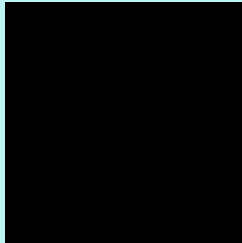
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.6770, 0.2792, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 81.6770, 0.2792, 0.3311.

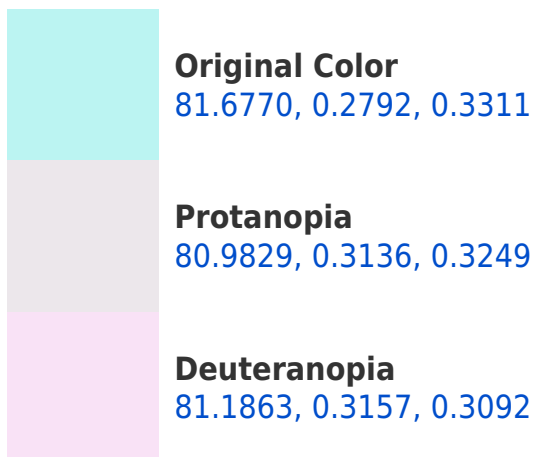


This preview shows how white text looks on a background with the Yxy color 81.6770, 0.2792, 0.3311.

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

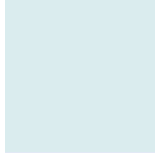
81.2324, 0.2793, 0.3119

Trichromacy



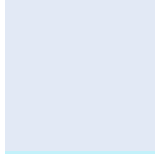
Original Color

81.6770, 0.2792, 0.3311



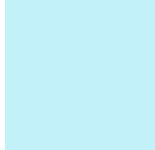
Protanomaly

81.0694, 0.2997, 0.3269



Deuteranomaly

81.0392, 0.3007, 0.3166



Tritanomaly

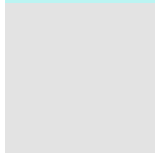
81.4148, 0.2792, 0.3192

Monochromacy



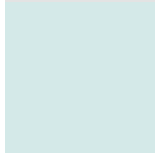
Original Color

81.6770, 0.2792, 0.3311



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

78.1011, 0.2994, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6770, 0.2792, 0.3311 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(187, 244, 242)` looks like.

```
.text, #text, p{  
    color:rgb(187, 244, 242)  
}
```

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(187, 244, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 244, 242) }
```

Border

The CSS property to change the border of an element to Yxy 81.6770, 0.2792, 0.3311 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(187, 244, 242) }
```

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

```
.border{ border-color:rgb(187, 244, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 244, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 244, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 244, 242);  
box-shadow:4px 4px 4px 4px rgb(187, 244,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6770, 0.2792, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 244, 242) }
```

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

```
.background{ background-color: rgb(187,  
244, 242) }
```

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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