

Converting Colors

$Yxy(81.4746, 0.2855, 0.3386)$

Have a look what the booklet for
Yxy(81.4746, 0.2855, 0.3386)
contains.

Yxy(81.1757, 0.2851, 0.3377)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(81.1757, 0.2851, 0.3377)

Conversions

Conversions Part 1

Format	Color
Hex	BFF3EB
RGB	191, 243, 235
RGB Percent	75%, 95%, 92%
CMY	0.2510, 0.0470, 0.0783
CMYK	0.21, 0.00, 0.03, 0.05
HSL	171°, 68%, 85%
HSV	171°, 21%, 95%
XYZ	68.5318, 81.1757, 90.6706
YIQ	226.5400, -28.4240, -13.5120

Conversions

Conversions Part 2

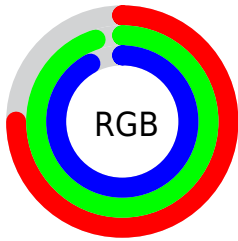
Format	Color
R _Y B	191, 219, 243
Decimal	12579819
CIE Lab	92.21, -18.07, -1.59
CIE LCh	92, 18.138, 185.040
Yxy	81.1757, 0.2851, 0.3377
Android (android.graphics.Color)	4290769899 (0xFFBFF3EB)
YUV	226.5400, 4.1708, -31.1686
Hunter-Lab	90.0976, -21.8965, 3.4012

Details

The Yxy color **81.1757, 0.2851, 0.3377** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.4344, 0.3495, 0.3205**, and the grayscale version is **76.4504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **44.0296, 0.2788, 0.3404** is the 20% darker color. If you saturate the color by 10%, you get **78.0724, 0.2736, 0.3423**, and if you desaturate by 10%, it is **84.8129, 0.2976, 0.3334**.

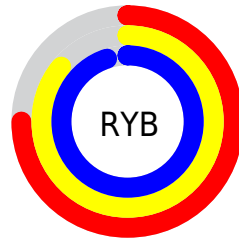
Distribution



Red (75%)

Green (95%)

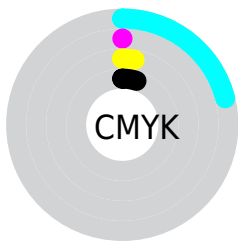
Blue (92%)



Red (75%)

Yellow (86%)

Blue (95%)

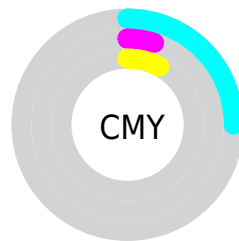


Cyan (21%)

Magenta (0%)

Yellow (3%)

Black (5%)



Cyan (25%)


Magenta (5%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.1757, 0.2851, 0.3377 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 81.1757, 0.2851, 0.3377 by changing the saturation by 10% instead.


 81.1757, 0.2851,
0.3377

 81.1757, 0.2851,
0.3377


498.8862, 0.2976,
0.3338

 60.6863, 0.2823,
0.3386


 135.0174, 0.2894,
0.3364

 43.9721, 0.2789,
0.3396


169.1386, 0.2911,
0.3359

 30.6485, 0.2746,
0.3409


208.5725, 0.2925,
0.3354

 20.3314, 0.2692,
0.3425

253.7034, 0.2938,
0.3350

 12.6362, 0.2618,
0.3447

304.9159, 0.2949,
0.3347

 7.1785, 0.2515,
0.3477

362.5943, 0.2959,

 3.5740, 0.2361,

0.3344

427.1229, 0.2968,
0.3341

0.3521

1.4382, 0.2106,
0.3589

0.2446, 0.0000,
0.3930

81.1757, 0.2851,
0.3377

81.1757, 0.2851,
0.3377

78.0724, 0.2736,
0.3423

84.8129, 0.2976,
0.3334

75.4671, 0.2633,
0.3473

88.9979, 0.3108,
0.3295

73.3353, 0.2546,
0.3525


92.0314, 0.3186,
0.3259

71.6461, 0.2476,
0.3578


92.2629, 0.3163,
0.3223

 70.3652, 0.2426,
0.3633

 92.4991, 0.3141,
0.3188

 69.4531, 0.2395,
0.3688

 92.5846, 0.3133,
0.3175

 68.8624, 0.2384,
0.3743

 68.5472, 0.2386,
0.3790

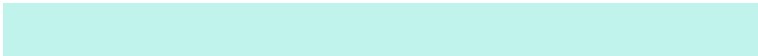
Harmonies

Analogous

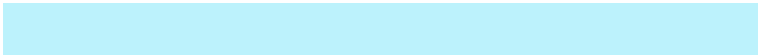
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1757, 0.3033, 0.3554



81.1757, 0.2851, 0.3377



81.1757, 0.2743, 0.3181

Triad

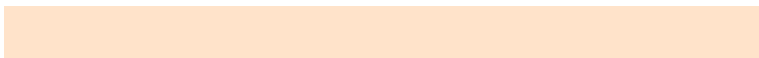
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.1757, 0.2851, 0.3377



81.1757, 0.3000, 0.2954



81.1757, 0.3535, 0.3542

Complementary

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



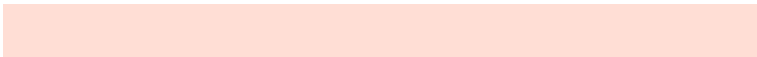
81.1757, 0.2851, 0.3377



60.4344, 0.3495, 0.3205

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.



81.1757, 0.3527, 0.3378



81.1757, 0.2851, 0.3377



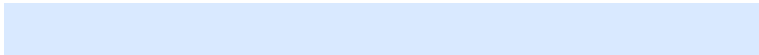
81.1757, 0.3212, 0.3046

Square

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



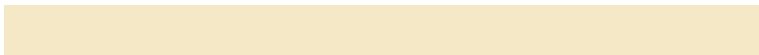
81.1757, 0.2851, 0.3377



81.1757, 0.2827, 0.2944



81.1757, 0.3407, 0.3199



81.1757, 0.3430, 0.3646

Rectangle

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



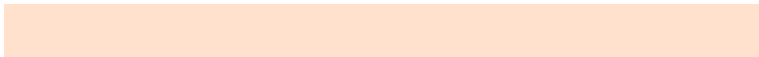
81.1757, 0.2851, 0.3377



81.1757, 0.2726, 0.3069



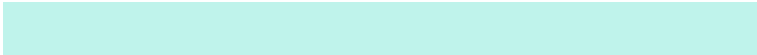
81.1757, 0.3407, 0.3199



81.1757, 0.3545, 0.3491

Sweetspot

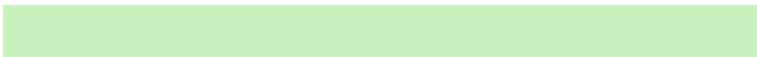
The Sweet Spot groups the original color and five complimentary colors.



81.1790, 0.2851, 0.3377



97.0625, 0.3047, 0.3313



80.0980, 0.3155, 0.3877



20.7099, 0.3038, 0.3315



0.0000, 0.0000, 0.0000



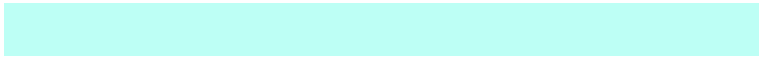
21.4041, 0.3127, 0.3290

Same Dimension

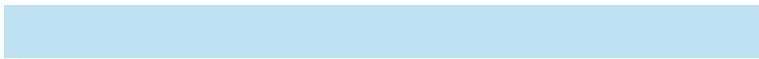
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1790, 0.2851, 0.3377



88.8825, 0.2796, 0.3398



71.7579, 0.2795, 0.3096



18.7115, 0.3001, 0.3326



37.6355, 0.2384, 0.3781



3.3194, 0.2365, 0.3712

Inverse Universe

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



60.4344, 0.3495, 0.3205



61.6439, 0.3600, 0.3186



68.0884, 0.3523, 0.3476



16.5240, 0.3269, 0.3254



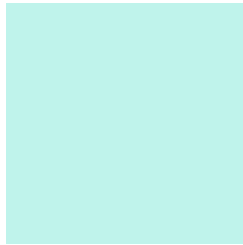
10.5445, 0.6187, 0.3182



0.9389, 0.5884, 0.3015

Previews

White Background



This preview shows how the Yxy color 81.1757, 0.2851, 0.3377 looks on a white background.

Color Contrast Check

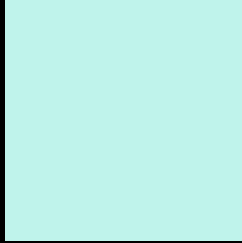
Large Text (above 18pt) WCAG AA × Fail

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 81.1757, 0.2851, 0.3377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

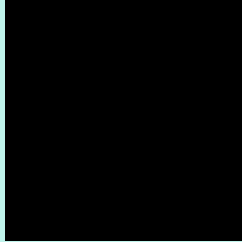
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

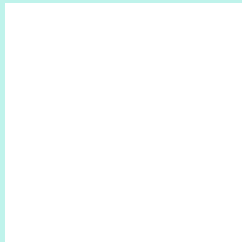
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.1757, 0.2851, 0.3377

Background



This preview shows how black text looks on a background with the Yxy color 81.1757, 0.2851, 0.3377.

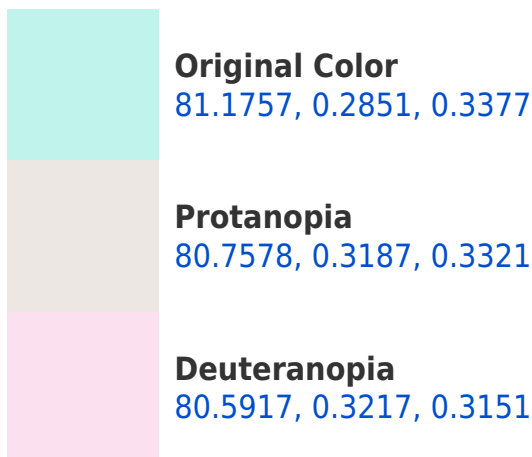


This preview shows how white text looks on a background with the Yxy color 81.1757, 0.2851, 0.3377.

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

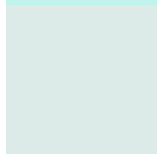
80.7866, 0.2798, 0.3109

Trichromacy



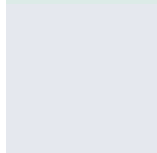
Original Color

81.1757, 0.2851, 0.3377



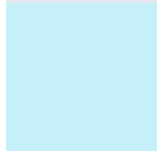
Protanomaly

80.4018, 0.3052, 0.3332



Deuteranomaly

80.5443, 0.3070, 0.3228



Tritanomaly

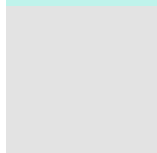
80.9678, 0.2814, 0.3203

Monochromacy



Original Color

81.1757, 0.2851, 0.3377



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

78.2871, 0.3019, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1757, 0.2851, 0.3377 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, 243, 235)` looks like.

```
.text, #text, p{  
    color:rgb(191, 243, 235)  
}
```

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, 243, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 243, 235) }
```

Border

The CSS property to change the border of an element to Yxy 81.1757, 0.2851, 0.3377 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, 243, 235) }
```

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

```
.border{ border-color:rgb(191, 243, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 243, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 243, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 243, 235);  
box-shadow:4px 4px 4px 4px rgb(191, 243,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1757, 0.2851, 0.3377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 243, 235) }
```

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

```
.background{ background-color: rgb(191,  
243, 235) }
```

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