

Converting Colors

$Yxy(81.3323, 0.2940, 0.3723)$

Have a look what the booklet for
Yxy(81.3323, 0.2940, 0.3723)
contains.

Yxy(81.0701, 0.2942, 0.3724)	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(81.0701, 0.2942, 0.3724)

Conversions

Conversions Part 1

Format	Color
Hex	B6F7D1
RGB	182, 247, 209
RGB Percent	71%, 97%, 82%
CMY	0.2865, 0.0313, 0.1805
CMYK	0.26, 0.00, 0.15, 0.03
HSL	145°, 80%, 84%
HSV	145°, 26%, 97%
XYZ	64.0462, 81.0701, 72.5799
YIQ	223.2330, -26.5420, -25.5980

Conversions

Conversions Part 2

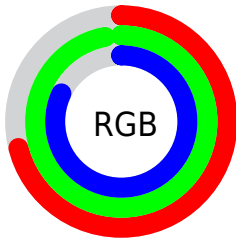
Format	Color
RYB	182, 228, 247
Decimal	11990993
CIELab	92.16, -27.87, 11.78
CIElCh	92, 30.255, 157.089
Yxy	81.0701, 0.2942, 0.3724
Android (android.graphics.Color)	4290181073 (0xFFB6F7D1)
YUV	223.2330, -7.0169, -36.1613
Hunter-Lab	90.0389, -30.5980, 15.2339

Details

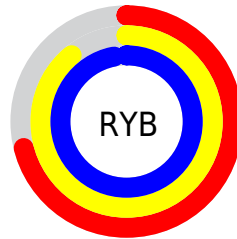
The Yxy color **81.0701, 0.2942, 0.3724** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.3715, 0.3370, 0.2893**, and the grayscale version is **74.0225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **43.7827, 0.2897, 0.3816** is the 20% darker color. If you saturate the color by 10%, you get **77.6450, 0.2880, 0.3921**, and if you desaturate by 10%, it is **85.0972, 0.3010, 0.3544**.

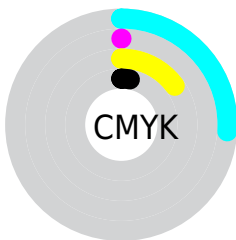
Distribution



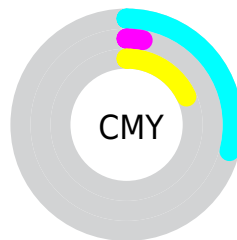
- Red (71%)
- Green (97%)
- Blue (82%)



- Red (71%)
- Yellow (89%)
- Blue (97%)



- Cyan (26%)
- Magenta (0%)
- Yellow (15%)
- Black (3%)





- Cyan (29%)
- Magenta (3%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.0701, 0.2942, 0.3724 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 81.0701, 0.2942, 0.3724 by changing the saturation by 10% instead.


 81.0701, 0.2942,
0.3724

 81.0701, 0.2942,
0.3724

498.5319, 0.3029,
0.3521

 60.5993, 0.2922,
0.3771


 134.8692, 0.2973,
0.3653

 43.9019, 0.2897,
0.3830


168.9663, 0.2984,
0.3625

 30.5934, 0.2864,
0.3905


208.3743, 0.2994,
0.3602

 20.2894, 0.2822,
0.4003

253.4777, 0.3003,
0.3581

 12.6056, 0.2763,
0.4139

304.6607, 0.3011,
0.3563

 7.1575, 0.2676,
0.4339


362.3078, 0.3018,


 3.5608, 0.2536,


0.3547


426.8034, 0.3024,
0.3533


0.4657


 1.4311, 0.2243,
0.5353


 0.2394, 0.0000,
1.0000

 81.0701, 0.2942,
0.3724


 81.0701, 0.2942,
0.3724


 77.6450, 0.2880,
0.3921


 85.0972, 0.3010,
0.3544


 74.7821, 0.2826,
0.4134

 89.7435, 0.3081,
0.3383

 72.4526, 0.2785,
0.4359

 94.8410, 0.3147,
0.3240

 70.6208, 0.2759,
0.4590

 95.0143, 0.3131,
0.3214

■ 69.2468, 0.2752,
0.4820

■ 68.2837, 0.2765,
0.5040

■ 67.6736, 0.2795,
0.5243

■ 67.5066, 0.2809,
0.5312

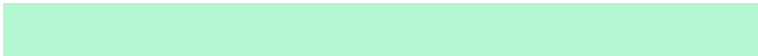
Harmonies

Analogous

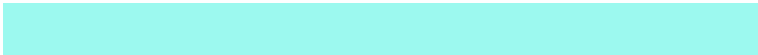
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0701, 0.3292, 0.3904



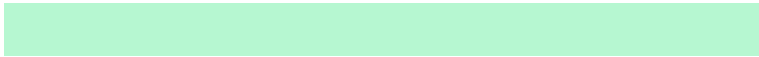
81.0701, 0.2942, 0.3724



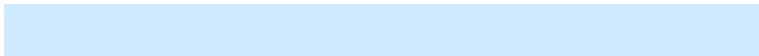
81.0701, 0.2653, 0.3408

Triad

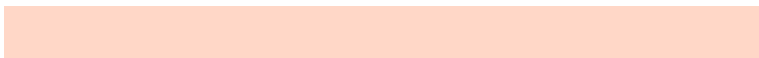
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.0701, 0.2942, 0.3724



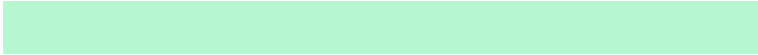
81.0701, 0.2647, 0.2719



81.0701, 0.3806, 0.3442

Complementary

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



81.0701, 0.2942, 0.3724



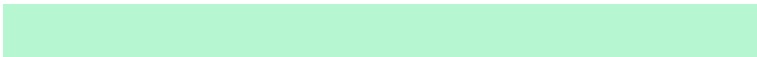
58.3715, 0.3370, 0.2893

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.



81.0701, 0.3615, 0.3154



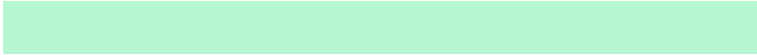
81.0701, 0.2942, 0.3724



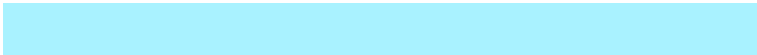
81.0701, 0.2934, 0.2751

Square

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



81.0701, 0.2942, 0.3724



81.0701, 0.2491, 0.2830



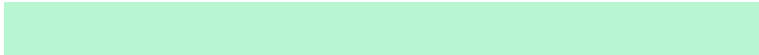
81.0701, 0.3289, 0.2907



81.0701, 0.3802, 0.3711

Rectangle

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



81.0701, 0.2942, 0.3724



81.0701, 0.2529, 0.3181



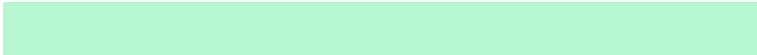
81.0701, 0.3289, 0.2907



81.0701, 0.3762, 0.3345

Sweetspot

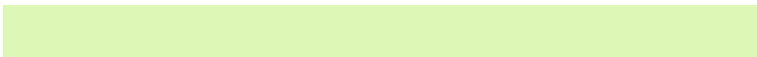
The Sweet Spot groups the original color and five complimentary colors.



81.0735, 0.2942, 0.3724



95.5899, 0.3069, 0.3409



85.2787, 0.3347, 0.3990



20.2934, 0.3059, 0.3432



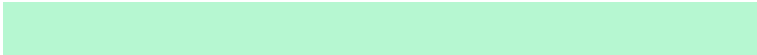
0.0000, 0.0000, 0.0000



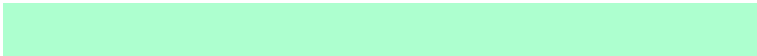
21.4041, 0.3127, 0.3290

Same Dimension

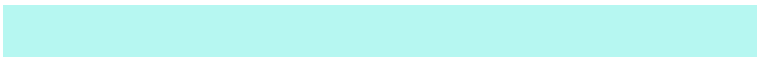
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0735, 0.2942, 0.3724



84.9701, 0.2905, 0.3835



82.7927, 0.2774, 0.3361



18.5863, 0.3059, 0.3432



35.7219, 0.2800, 0.5280



3.1596, 0.2731, 0.5032

Inverse Universe

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



58.3715, 0.3370, 0.2893



56.5260, 0.3439, 0.2804



56.8555, 0.3638, 0.3222



16.6450, 0.3202, 0.3153



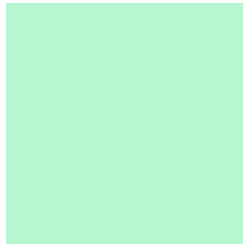
11.5576, 0.4605, 0.2311



1.0362, 0.4382, 0.2188

Previews

White Background



This preview shows how the Yxy color 81.0701, 0.2942, 0.3724 looks on a white background.

Color Contrast Check

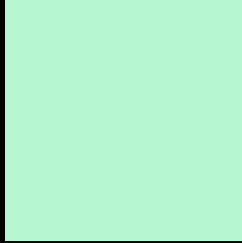
Large Text (above 18pt) WCAG AA × Fail

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 81.0701, 0.2942, 0.3724 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

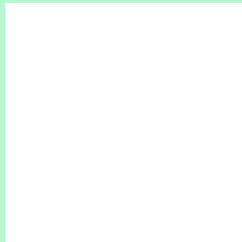
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.0701, 0.2942, 0.3724

Background



This preview shows how black text looks on a background with the Yxy color 81.0701, 0.2942, 0.3724.

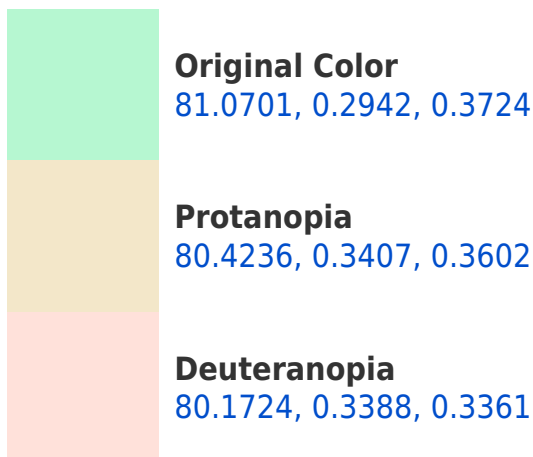


This preview shows how white text looks on a background with the Yxy color 81.0701, 0.2942, 0.3724.

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

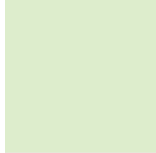
81.0951, 0.2787, 0.3119

Trichromacy



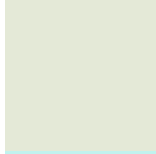
Original Color

81.0701, 0.2942, 0.3724



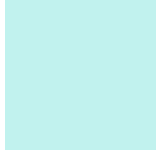
Protanomaly

80.3002, 0.3225, 0.3647



Deuteranomaly

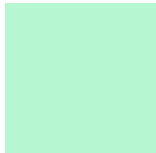
79.6781, 0.3207, 0.3481



Tritanomaly

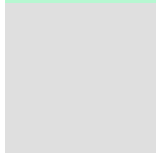
81.0148, 0.2846, 0.3333

Monochromacy



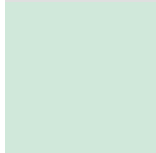
Original Color

81.0701, 0.2942, 0.3724



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

76.1851, 0.3053, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0701, 0.2942, 0.3724 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(182, 247, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 247, 209) }
```

Border

The CSS property to change the border of an element to Yxy 81.0701, 0.2942, 0.3724 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, 209) }
```

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

```
.border{ border-color:rgb(182, 247, 209) }
```

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, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 247, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 247, 209);  
box-shadow:4px 4px 4px 4px rgb(182, 247,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0701, 0.2942, 0.3724 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, 209) }
```

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

```
.background{ background-color: rgb(182,  
247, 209) }
```

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