

Converting Colors

$Yxy(71.2694, 0.3010, 0.3682)$

Have a look what the booklet for
Yxy(71.2694, 0.3010, 0.3682)
contains.

Yxy(71.2963, 0.3010, 0.3681)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.2963, 0.3010, 0.3681)

Conversions

Conversions Part 1

Format	Color
Hex	B7E7C6
RGB	183, 231, 198
RGB Percent	72%, 91%, 78%
CMY	0.2822, 0.0941, 0.2237
CMYK	0.21, 0.00, 0.14, 0.09
HSL	139°, 50%, 81%
HSV	139°, 21%, 91%
XYZ	58.2999, 71.2963, 64.0911
YIQ	212.8860, -18.0150, -20.4390

Conversions

Conversions Part 2

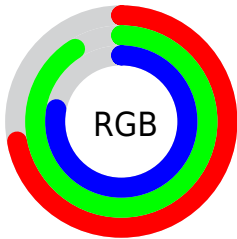
Format	Color
RYB	183, 220, 231
Decimal	12052422
CIELab	87.63, -21.85, 11.06
CIELCh	88, 24.486, 153.157
Yxy	71.2963, 0.3010, 0.3681
Android (android.graphics.Color)	4290242502 (0xFFB7E7C6)
YUV	212.8860, -7.3388, -26.2100
Hunter-Lab	84.4371, -24.5191, 14.1025

Details

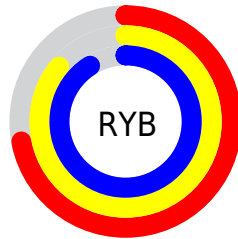
The Yxy color **71.2963, 0.3010, 0.3681** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.8327, 0.3268, 0.2929**, and the grayscale version is **66.5226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **37.3407, 0.2977, 0.3779** is the 20% darker color. If you saturate the color by 10%, you get **67.9986, 0.2957, 0.3903**, and if you desaturate by 10%, it is **75.1420, 0.3066, 0.3481**.

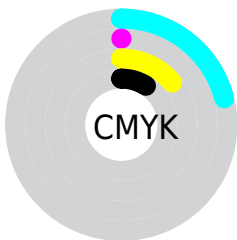
Distribution



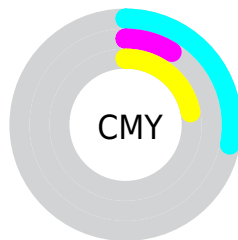
- Red (72%)
- Green (91%)
- Blue (78%)



- Red (72%)
- Yellow (86%)
- Blue (91%)



- Cyan (21%)
- Magenta (0%)
- Yellow (14%)
- Black (9%)




- Cyan (28%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.2963, 0.3010, 0.3681 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 71.2963, 0.3010, 0.3681 by changing the saturation by 10% instead.


 71.2963, 0.3010,
0.3681

 71.2963, 0.3010,
0.3681


465.0886, 0.3067,
0.3494

 52.5840, 0.2996,
0.3725


 121.0555, 0.3030,
0.3615

 37.4708, 0.2979,
0.3781


152.8713, 0.3038,
0.3590

 25.5722, 0.2956,
0.3852


189.8236, 0.3045,
0.3568

 16.5039, 0.2926,
0.3948

232.2970, 0.3050,
0.3549

 9.8814, 0.2882,
0.4084

280.6758, 0.3055,
0.3533

 5.3204, 0.2814,
0.4288


335.3444, 0.3060,

 2.4365, 0.2696,


0.3518

0.4631


396.6872, 0.3064,
0.3506


 0.8446, 0.2137,
0.6700


 0.0000, 0.0000,
0.0000


 71.2963, 0.3010,
0.3681


 71.2963, 0.3010,
0.3681

 67.9986, 0.2957,
0.3903


 75.1420, 0.3066,
0.3481


 65.2149, 0.2909,
0.4146

 79.5501, 0.3123,
0.3303

 62.9212, 0.2870,
0.4404

 84.5456, 0.3179,
0.3146

 61.0879, 0.2843,
0.4671

 85.6321, 0.3138,
0.3058

■ 59.6821, 0.2831,
0.4937

■ 58.6664, 0.2835,
0.5189

■ 57.9965, 0.2857,
0.5415

■ 57.6185, 0.2887,
0.5593

Harmonies

Analogous

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



71.2963, 0.3307, 0.3813



71.2963, 0.3010, 0.3681



71.2963, 0.2753, 0.3429

Triad

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



71.2963, 0.3010, 0.3681



71.2963, 0.2695, 0.2810



71.2963, 0.3687, 0.3391

Complementary

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



71.2963, 0.3010, 0.3681



55.8327, 0.3268, 0.2929

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.



71.2963, 0.3507, 0.3145



71.2963, 0.3010, 0.3681



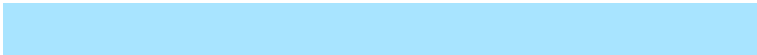
71.2963, 0.2928, 0.2819

Square

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



71.2963, 0.3010, 0.3681



71.2963, 0.2577, 0.2923



71.2963, 0.3226, 0.2941



71.2963, 0.3707, 0.3624

Rectangle

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



71.2963, 0.3010, 0.3681



71.2963, 0.2635, 0.3238



71.2963, 0.3226, 0.2941



71.2963, 0.3643, 0.3307

Sweetspot

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



71.2993, 0.3010, 0.3681



96.5525, 0.3093, 0.3394



75.2647, 0.3335, 0.3825



20.5893, 0.3089, 0.3406



0.0000, 0.0000, 0.0000



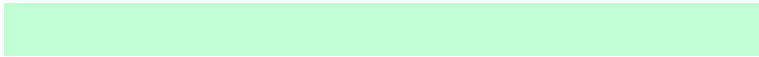
21.4041, 0.3127, 0.3290

Same Dimension

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



71.2993, 0.3010, 0.3681



87.3364, 0.2986, 0.3776



72.4660, 0.2872, 0.3400



16.1627, 0.3073, 0.3456



32.3213, 0.2879, 0.5564



2.4047, 0.2797, 0.5270

Inverse Universe

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



55.8327, 0.3268, 0.2929



64.6382, 0.3304, 0.2850



54.7047, 0.3461, 0.3183



14.5349, 0.3185, 0.3129



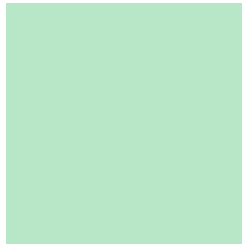
10.9531, 0.4185, 0.2079



0.8259, 0.4008, 0.1982

Previews

White Background



This preview shows how the Yxy color 71.2963, 0.3010, 0.3681 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 71.2963, 0.3010, 0.3681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

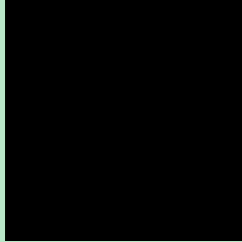
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

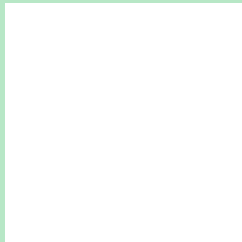
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.2963, 0.3010, 0.3681

Background



This preview shows how black text looks on a background with the Yxy color 71.2963, 0.3010, 0.3681.

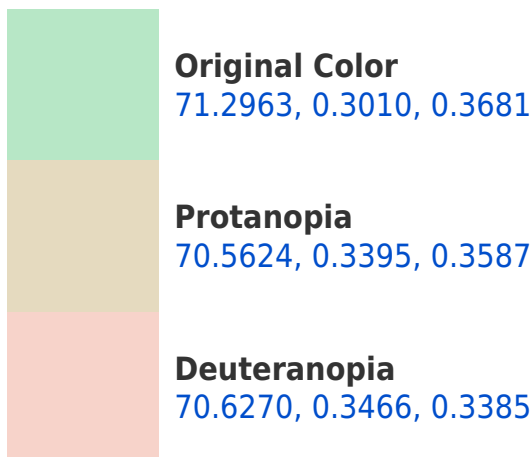


This preview shows how white text looks on a background with the Yxy color 71.2963, 0.3010, 0.3681.

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

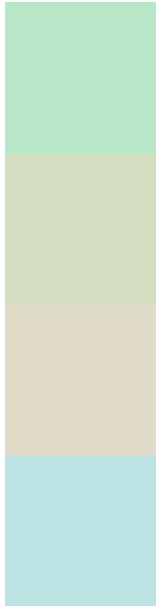




Tritanopia

71.3979, 0.2794, 0.3089

Trichromacy



Original Color

71.2963, 0.3010, 0.3681

Protanomaly

70.6674, 0.3240, 0.3619

Deuteranomaly

70.2071, 0.3287, 0.3478

Tritanomaly

71.1756, 0.2869, 0.3289

Monochromacy



Original Color

71.2963, 0.3010, 0.3681

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

68.2970, 0.3078, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.2963, 0.3010, 0.3681 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(183, 231, 198)` looks like.

```
.text, #text, p{  
    color:rgb(183, 231, 198)  
}
```

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(183, 231, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 231, 198) }
```

Border

The CSS property to change the border of an element to Yxy 71.2963, 0.3010, 0.3681 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(183, 231, 198) }
```

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

```
.border{ border-color:rgb(183, 231, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 231, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 231, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 231, 198); box-shadow:4px 4px 4px 4px rgb(183, 231, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 71.2963, 0.3010, 0.3681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 231, 198) }
```

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

```
.background{ background-color: rgb(183,  
231, 198) }
```

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