

Converting Colors

$Yxy(71.5801, 0.3107, 0.4047)$

Have a look what the booklet for
Yxy(71.5801, 0.3107, 0.4047)
contains.

Yxy(71.5478, 0.3105, 0.4044)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.5478, 0.3105, 0.4044)

Conversions

Conversions Part 1

Format	Color
Hex	AFEBAD
RGB	175, 235, 173
RGB Percent	69%, 92%, 68%
CMY	0.3136, 0.0784, 0.3216
CMYK	0.26, 0.00, 0.26, 0.08
HSL	118°, 61%, 80%
HSV	118°, 26%, 92%
XYZ	54.9347, 71.5478, 50.4408
YIQ	209.9920, -15.8580, -32.0020

Conversions

Conversions Part 2

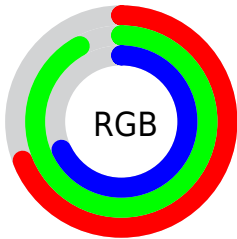
Format	Color
RYB	173, 235, 233
Decimal	11529133
CIELab	87.75, -30.71, 24.13
CIELCh	88, 39.054, 141.844
Yxy	71.5478, 0.3105, 0.4044
Android (android.graphics.Color)	4289719213 (0xFFAFEBAD)
YUV	209.9920, -18.2371, -30.6880
Hunter-Lab	84.5859, -32.0978, 23.8539

Details

The Yxy color **71.5478, 0.3105, 0.4044** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.1942, 0.3141, 0.2630**, and the grayscale version is **64.5782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3329, 0.3133, 0.3553**, and **37.6612, 0.3090, 0.4248** is the 20% darker color. If you saturate the color by 10%, you get **68.3073, 0.3093, 0.4385**, and if you desaturate by 10%, it is **75.3968, 0.3115, 0.3731**.

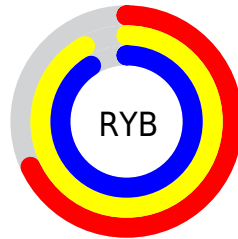
Distribution



Red (69%)

Green (92%)

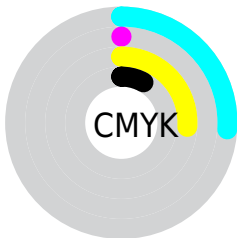
Blue (68%)



Red (68%)

Yellow (92%)

Blue (91%)

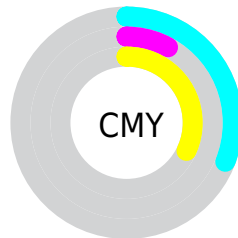


Cyan (26%)

Magenta (0%)

Yellow (26%)

Black (8%)



Cyan (31%)


Magenta (8%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.5478, 0.3105, 0.4044 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 71.5478, 0.3105, 0.4044 by changing the saturation by 10% instead.


 71.5478, 0.3105,
0.4044

 71.5478, 0.3105,
0.4044


465.9661, 0.3124,
0.3678

 52.7894, 0.3098,
0.4132

 121.4134, 0.3114,
0.3914

 37.6346, 0.3088,
0.4242

153.2894, 0.3116,
0.3864

 25.6993, 0.3074,
0.4386


190.3066, 0.3118,
0.3821

 16.5988, 0.3050,
0.4579

232.8496, 0.3120,
0.3785

 9.9489, 0.3010,
0.4852

281.3026, 0.3121,
0.3753

 5.3651, 0.2935,
0.5263


336.0501, 0.3122,

 2.4630, 0.2827,


0.3725

0.6059


397.4765, 0.3123,
0.3700


 0.8580, 0.0713,
0.9287


 0.0000, 0.0000,
0.0000


 71.5478, 0.3105,
0.4044


 71.5478, 0.3105,
0.4044


 68.3073, 0.3093,
0.4385

 75.3968, 0.3115,
0.3731

 65.6357, 0.3079,
0.4742

 79.8735, 0.3123,
0.3451

 63.5028, 0.3063,
0.5096

 85.0075, 0.3129,
0.3205

 61.8720, 0.3047,
0.5420

 87.8963, 0.3136,
0.3097

■ 60.7023, 0.3031,
0.5686

■ 59.9459, 0.3017,
0.5874

■ 59.5448, 0.3007,
0.5974

■ 59.4664, 0.3005,
0.5996

Harmonies

Analogous

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



71.5478, 0.3568, 0.4145



71.5478, 0.3105, 0.4044



71.5478, 0.2669, 0.3683

Triad

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



71.5478, 0.3105, 0.4044



71.5478, 0.2363, 0.2581



71.5478, 0.3943, 0.3284

Complementary

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



71.5478, 0.3105, 0.4044



53.1942, 0.3141, 0.2630

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.



71.5478, 0.3572, 0.2931



71.5478, 0.3105, 0.4044



71.5478, 0.2655, 0.2538

Square

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



71.5478, 0.3105, 0.4044



71.5478, 0.2263, 0.2812



71.5478, 0.3092, 0.2666



71.5478, 0.4074, 0.3661

Rectangle

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



71.5478, 0.3105, 0.4044



71.5478, 0.2449, 0.3368



71.5478, 0.3092, 0.2666



71.5478, 0.3841, 0.3160

Sweetspot

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



71.5508, 0.3105, 0.4044



95.2040, 0.3122, 0.3494



78.9180, 0.3531, 0.3929



20.1968, 0.3121, 0.3535



0.0000, 0.0000, 0.0000



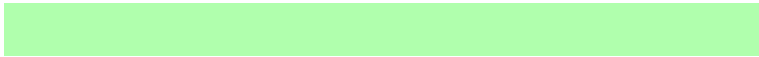
21.4041, 0.3127, 0.3290

Same Dimension

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



71.5508, 0.3105, 0.4044



83.7943, 0.3098, 0.4237



72.5594, 0.2924, 0.3684



16.8859, 0.3121, 0.3533



33.1067, 0.3007, 0.5994



2.6081, 0.3027, 0.5979

Inverse Universe

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



53.1942, 0.3141, 0.2630



58.0125, 0.3143, 0.2487



52.0023, 0.3397, 0.2927



15.2869, 0.3133, 0.3058



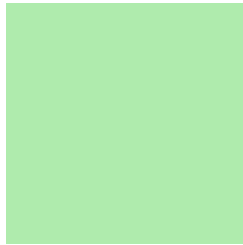
12.4594, 0.3127, 0.1496



0.9863, 0.3139, 0.1503

Previews

White Background



This preview shows how the Yxy color 71.5478, 0.3105, 0.4044 looks on a white background.

Color Contrast Check

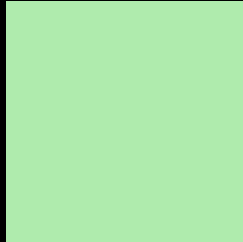
Large Text (above 18pt) WCAG AA × Fail

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 71.5478, 0.3105, 0.4044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

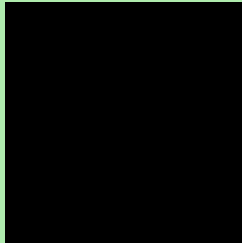
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.5478, 0.3105, 0.4044

Background



This preview shows how black text looks on a background with the Yxy color 71.5478, 0.3105, 0.4044.

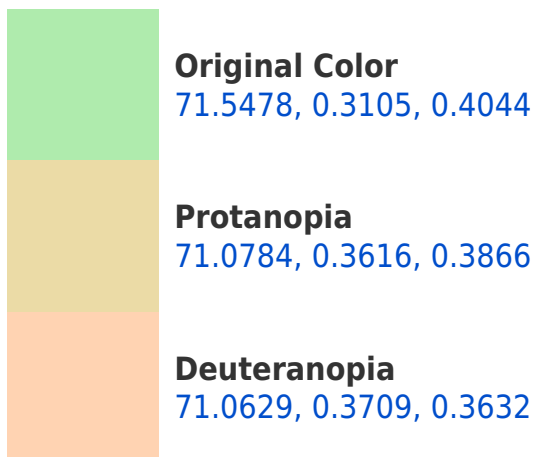


This preview shows how white text looks on a background with the Yxy color 71.5478, 0.3105, 0.4044.

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

71.4892, 0.2765, 0.3088

Trichromacy



Original Color

71.5478, 0.3105, 0.4044



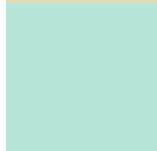
Protanomaly

70.8611, 0.3411, 0.3929



Deuteranomaly

70.4897, 0.3473, 0.3779



Tritanomaly

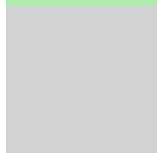
71.1679, 0.2891, 0.3417

Monochromacy



Original Color

71.5478, 0.3105, 0.4044



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

66.5646, 0.3115, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.5478, 0.3105, 0.4044 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(175, 235, 173)` looks like.

```
.text, #text, p{  
    color:rgb(175, 235, 173)  
}
```

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(175, 235, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 235, 173) }
```

Border

The CSS property to change the border of an element to Yxy 71.5478, 0.3105, 0.4044 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(175, 235, 173) }
```

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

```
.border{ border-color:rgb(175, 235, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 235, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 235, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 235, 173);  
box-shadow:4px 4px 4px 4px rgb(175, 235,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 71.5478, 0.3105, 0.4044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 235, 173) }
```

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

```
.background{ background-color: rgb(175,  
235, 173) }
```

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