

Converting Colors

$Yxy(78.4678, 0.3254, 0.4268)$

Have a look what the booklet for
Yxy(78.4678, 0.3254, 0.4268)
contains.

Yxy(78.5694, 0.3249, 0.4267)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.5694, 0.3249, 0.4267)

Conversions

Conversions Part 1

Format	Color
Hex	BCF5A1
RGB	188, 245, 161
RGB Percent	74%, 96%, 63%
CMY	0.2628, 0.0392, 0.3685
CMYK	0.23, 0.00, 0.34, 0.04
HSL	101°, 81%, 80%
HSV	101°, 34%, 96%
XYZ	59.8247, 78.5694, 45.7385
YIQ	218.3810, -7.0080, -38.2080

Conversions

Conversions Part 2

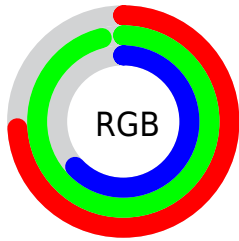
Format	Color
RYB	161, 245, 218
Decimal	12383649
CIELab	91.04, -32.88, 34.76
CIELCh	91, 47.847, 133.400
Yxy	78.5694, 0.3249, 0.4267
Android (android.graphics.Color)	4290573729 (0xFFBCF5A1)
YUV	218.3810, -28.2888, -26.6441
Hunter-Lab	88.6394, -34.6453, 31.4535

Details

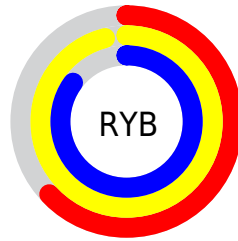
The Yxy color **78.5694, 0.3249, 0.4267** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.9997, 0.2944, 0.2379**, and the grayscale version is **70.5927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8903, 0.3292, 0.3679**, and **42.0357, 0.3261, 0.4515** is the 20% darker color. If you saturate the color by 10%, you get **75.7994, 0.3272, 0.4592**, and if you desaturate by 10%, it is **81.7590, 0.3218, 0.3954**.

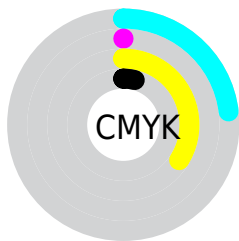
Distribution



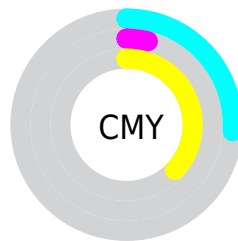
- Red (74%)
- Green (96%)
- Blue (63%)



- Red (63%)
- Yellow (96%)
- Blue (85%)



- Cyan (23%)
- Magenta (0%)
- Yellow (34%)
- Black (4%)




- Cyan (26%)
- Magenta (4%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.5694, 0.3249, 0.4267 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 78.5694, 0.3249, 0.4267 by changing the saturation by 10% instead.


 78.5694, 0.3249,
0.4267


 78.5694, 0.3249,
0.4267


490.0984, 0.3208,
0.3800

 58.5418, 0.3254,
0.4377


 131.3525, 0.3238,
0.4102

 42.2444, 0.3258,
0.4513


 164.8768, 0.3233,
0.4039

 29.2927, 0.3259,
0.4688


203.6688, 0.3228,
0.3985

 19.3024, 0.3253,
0.4917

248.1130, 0.3223,
0.3938

 11.8890, 0.3231,
0.5230

298.5936, 0.3219,
0.3897

 6.6681, 0.3173,
0.5675


355.4951, 0.3215,


 3.2554, 0.3155,


0.3860


0.6630


419.2019, 0.3211,
0.3828


 1.2665, 0.2209,
0.7791


 0.1150, 0.0000,
1.0000

 78.5694, 0.3249,
0.4267


 78.5694, 0.3249,
0.4267


 75.7994, 0.3272,
0.4592


 81.7590, 0.3218,
0.3954

 73.4205, 0.3283,
0.4915

 85.3749, 0.3182,
0.3662

 71.4167, 0.3280,
0.5218

 89.4366, 0.3144,
0.3396

 69.7662, 0.3261,
0.5482

 93.6972, 0.3129,
0.3194

■ 68.4449, 0.3227,
0.5689

■ 93.7881, 0.3132,
0.3194

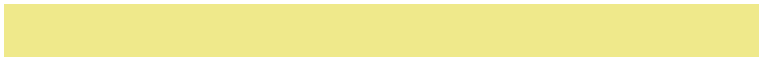
■ 67.4247, 0.3179,
0.5828

■ 66.9573, 0.3149,
0.5881

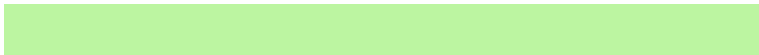
Harmonies

Analogous

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



78.5694, 0.3778, 0.4276



78.5694, 0.3249, 0.4267



78.5694, 0.2714, 0.3908

Triad

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



78.5694, 0.3249, 0.4267



78.5694, 0.2178, 0.2508



78.5694, 0.3998, 0.3152

Complementary

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



78.5694, 0.3249, 0.4267



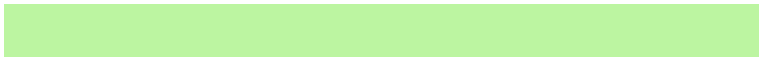
46.9997, 0.2944, 0.2379

Split Complementary

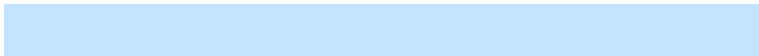
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.5694, 0.3496, 0.2768



78.5694, 0.3249, 0.4267



78.5694, 0.2454, 0.2405

Square

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



78.5694, 0.3249, 0.4267



78.5694, 0.2127, 0.2831



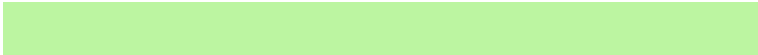
78.5694, 0.2924, 0.2503



78.5694, 0.4242, 0.3589

Rectangle

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



78.5694, 0.3249, 0.4267



78.5694, 0.2424, 0.3540



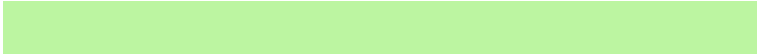
78.5694, 0.2924, 0.2503



78.5694, 0.3851, 0.3015

Sweetspot

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



78.5728, 0.3249, 0.4267



95.3287, 0.3166, 0.3546



71.6184, 0.3736, 0.3883



20.2724, 0.3172, 0.3584



0.0000, 0.0000, 0.0000



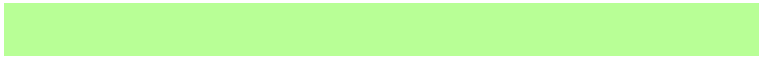
21.4041, 0.3127, 0.3290

Same Dimension

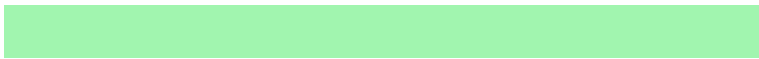
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5728, 0.3249, 0.4267



83.9306, 0.3266, 0.4487



75.9831, 0.3004, 0.4143



18.7303, 0.3164, 0.3531



36.1352, 0.3160, 0.5873



3.2289, 0.3253, 0.5799

Inverse Universe

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



46.9997, 0.2944, 0.2379



44.6147, 0.2895, 0.2190



50.6801, 0.3283, 0.2566



16.4859, 0.3086, 0.3053



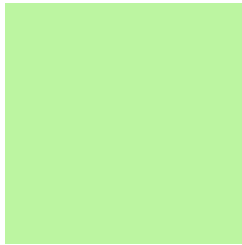
8.0146, 0.2412, 0.1102



0.7595, 0.2513, 0.1158

Previews

White Background



This preview shows how the Yxy color 78.5694, 0.3249, 0.4267 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 78.5694, 0.3249, 0.4267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

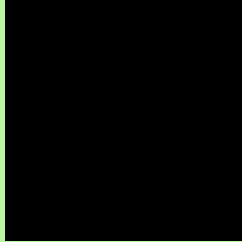
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.5694, 0.3249, 0.4267

Background



This preview shows how black text looks on a background with the Yxy color 78.5694, 0.3249, 0.4267.

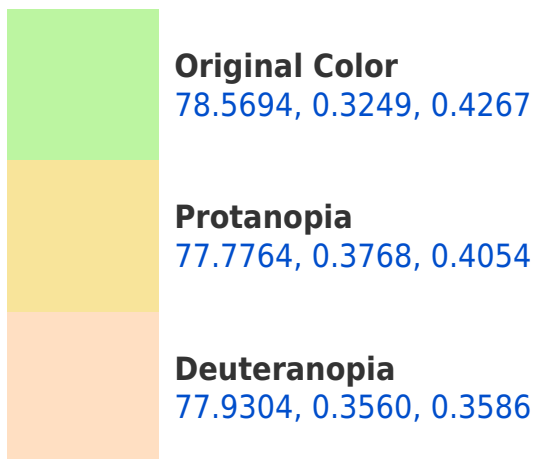


This preview shows how white text looks on a background with the Yxy color 78.5694, 0.3249, 0.4267.

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

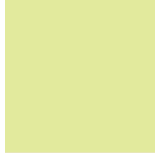
78.5704, 0.2823, 0.3097

Trichromacy



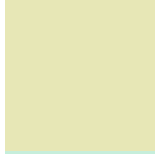
Original Color

78.5694, 0.3249, 0.4267



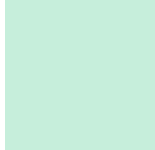
Protanomaly

77.4487, 0.3564, 0.4127



Deuteranomaly

77.5182, 0.3447, 0.3818



Tritanomaly

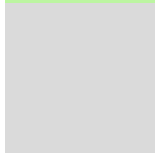
78.2693, 0.2982, 0.3501

Monochromacy



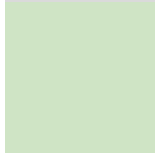
Original Color

78.5694, 0.3249, 0.4267



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

72.7834, 0.3180, 0.3642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5694, 0.3249, 0.4267 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(188, 245, 161)` looks like.

```
.text, #text, p{  
    color:rgb(188, 245, 161)  
}
```

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(188, 245, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 245, 161) }
```

Border

The CSS property to change the border of an element to Yxy 78.5694, 0.3249, 0.4267 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(188, 245, 161) }
```

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

```
.border{ border-color:rgb(188, 245, 161) }
```

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

Here you see how a box with a 4 pixel rgb(188, 245, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 245, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 245, 161);  
box-shadow:4px 4px 4px 4px rgb(188, 245,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5694, 0.3249, 0.4267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 245, 161) }
```

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

```
.background{ background-color: rgb(188,  
245, 161) }
```

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