

Converting Colors

$Yxy(67.9871, 0.3093, 0.3852)$

Have a look what the booklet for
Yxy(67.9871, 0.3093, 0.3852)
contains.

Yxy(67.9777, 0.3094, 0.3850)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.9777, 0.3094, 0.3850)

Conversions

Conversions Part 1

Format	Color
Hex	B4E3B5
RGB	180, 227, 181
RGB Percent	71%, 89%, 71%
CMY	0.2942, 0.1098, 0.2902
CMYK	0.21, 0.00, 0.20, 0.11
HSL	121°, 46%, 80%
HSV	121°, 21%, 89%
XYZ	54.6294, 67.9777, 53.9584
YIQ	207.7030, -13.2460, -24.2700

Conversions

Conversions Part 2

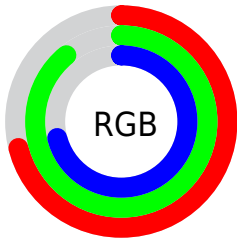
Format	Color
RYB	180, 226, 227
Decimal	11854773
CIELab	86.00, -23.92, 17.58
CIELCh	86, 29.685, 143.675
Yxy	67.9777, 0.3094, 0.3850
Android (android.graphics.Color)	4290044853 (0xFFB4E3B5)
YUV	207.7030, -13.1646, -24.2955
Hunter-Lab	82.4486, -26.0133, 18.9117

Details

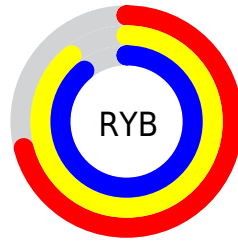
The Yxy color **67.9777, 0.3094, 0.3850** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.4594, 0.3159, 0.2787**, and the grayscale version is **62.9673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4673, 0.3113, 0.3470**, and **35.1200, 0.3077, 0.3993** is the 20% darker color. If you saturate the color by 10%, you get **64.6355, 0.3076, 0.4171**, and if you desaturate by 10%, it is **71.9172, 0.3111, 0.3561**.

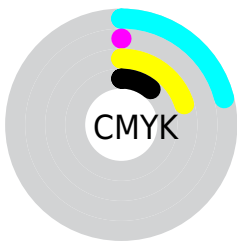
Distribution



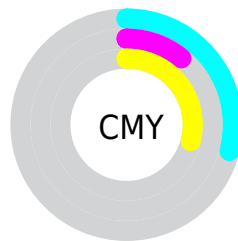
- Red (71%)
- Green (89%)
- Blue (71%)



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



- Cyan (21%)
- Magenta (0%)
- Yellow (20%)
- Black (11%)



- Cyan (29%)
- Magenta (11%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9777, 0.3094, 0.3850 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 67.9777, 0.3094, 0.3850 by changing the saturation by 10% instead.


 67.9777, 0.3094,
0.3850

 67.9777, 0.3094,
0.3850

453.4170, 0.3114,
0.3578

 49.8796, 0.3088,
0.3915


 116.3202, 0.3102,
0.3753

 35.3177, 0.3080,
0.3998


147.3335, 0.3105,
0.3716

 23.9077, 0.3068,
0.4105


183.4205, 0.3107,
0.3685

 15.2652, 0.3050,
0.4251

224.9658, 0.3109,
0.3657

 9.0057, 0.3020,
0.4458

272.3537, 0.3111,
0.3634

 4.7449, 0.2967,
0.4776


325.9686, 0.3112,

 2.0984, 0.2871,

0.3613

0.5348


386.1949, 0.3113,
0.3595


 0.6637, 0.0661,
0.9339

 0.0000, 0.0000,
0.0000

 67.9777, 0.3094,
0.3850


 67.9777, 0.3094,
0.3850

 64.6355, 0.3076,
0.4171


 71.9172, 0.3111,
0.3561

 61.8534, 0.3058,
0.4516

 76.4719, 0.3126,
0.3307

 59.6032, 0.3040,
0.4870

 81.6697, 0.3140,
0.3086

 57.8512, 0.3023,
0.5214

 83.4227, 0.3140,
0.3019

■ 56.5594, 0.3010,
0.5518

■ 55.6846, 0.3002,
0.5758

■ 55.1755, 0.2998,
0.5916

■ 54.9535, 0.2997,
0.5989

Harmonies

Analogous

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



67.9777, 0.3455, 0.3948



67.9777, 0.3094, 0.3850



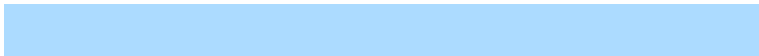
67.9777, 0.2755, 0.3570

Triad

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



67.9777, 0.3094, 0.3850



67.9777, 0.2537, 0.2730



67.9777, 0.3768, 0.3311

Complementary

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



67.9777, 0.3094, 0.3850



54.4594, 0.3159, 0.2787

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.



67.9777, 0.3494, 0.3025



67.9777, 0.3094, 0.3850



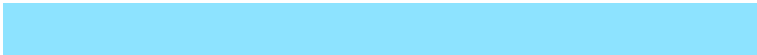
67.9777, 0.2779, 0.2698

Square

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



67.9777, 0.3094, 0.3850



67.9777, 0.2447, 0.2909



67.9777, 0.3127, 0.2806



67.9777, 0.3858, 0.3608

Rectangle

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



67.9777, 0.3094, 0.3850



67.9777, 0.2585, 0.3333



67.9777, 0.3127, 0.2806



67.9777, 0.3694, 0.3212

Sweetspot

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



67.9806, 0.3094, 0.3850



96.2859, 0.3118, 0.3438



74.4425, 0.3433, 0.3806



20.5265, 0.3117, 0.3455



0.0000, 0.0000, 0.0000



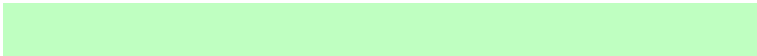
21.4041, 0.3127, 0.3290

Same Dimension

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



67.9806, 0.3094, 0.3850



86.4626, 0.3086, 0.3989



69.0174, 0.2952, 0.3560



16.0942, 0.3113, 0.3528



32.0486, 0.2996, 0.5986



2.3701, 0.2985, 0.5945

Inverse Universe

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



54.4594, 0.3159, 0.2787



65.7622, 0.3166, 0.2678



53.2670, 0.3347, 0.3035



14.6096, 0.3141, 0.3063



12.6051, 0.3264, 0.1572



0.9332, 0.3255, 0.1567

Previews

White Background



This preview shows how the Yxy color 67.9777, 0.3094, 0.3850 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 67.9777, 0.3094, 0.3850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

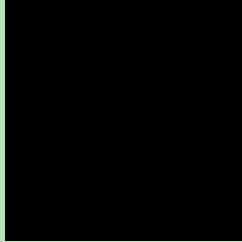
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

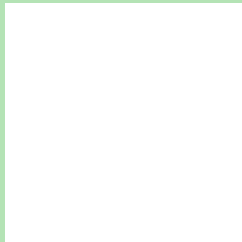
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.9777, 0.3094, 0.3850

Background



This preview shows how black text looks on a background with the Yxy color 67.9777, 0.3094, 0.3850.

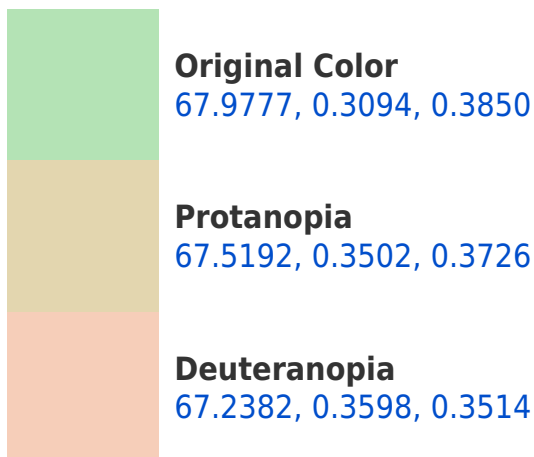


This preview shows how white text looks on a background with the Yxy color 67.9777, 0.3094, 0.3850.

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

67.7246, 0.2818, 0.3085

Trichromacy



Original Color

67.9777, 0.3094, 0.3850



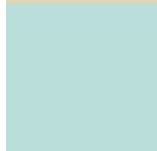
Protanomaly

67.5390, 0.3346, 0.3776



Deuteranomaly

67.0834, 0.3398, 0.3628



Tritanomaly

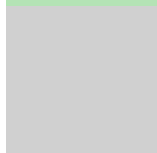
67.6914, 0.2913, 0.3348

Monochromacy



Original Color

67.9777, 0.3094, 0.3850



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

64.6839, 0.3118, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9777, 0.3094, 0.3850 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(180, 227, 181)` looks like.

```
.text, #text, p{  
    color:rgb(180, 227, 181)  
}
```

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(180, 227, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 227, 181) }
```

Border

The CSS property to change the border of an element to Yxy 67.9777, 0.3094, 0.3850 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(180, 227, 181) }
```

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

```
.border{ border-color:rgb(180, 227, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 227, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 227, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 227, 181);  
box-shadow:4px 4px 4px 4px rgb(180, 227,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9777, 0.3094, 0.3850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 227, 181) }
```

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

```
.background{ background-color: rgb(180,  
227, 181) }
```

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