

Converting Colors

$Yxy(70.9861, 0.3115, 0.3687)$

Have a look what the booklet for
Yxy(70.9861, 0.3115, 0.3687)
contains.

Yxy(70.9839, 0.3115, 0.3687)	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(70.9839, 0.3115, 0.3687)

Conversions

Conversions Part 1

Format	Color
Hex	C3E4C2
RGB	195, 228, 194
RGB Percent	76%, 89%, 76%
CMY	0.2356, 0.1058, 0.2393
CMYK	0.15, 0.00, 0.15, 0.11
HSL	118°, 39%, 83%
HSV	118°, 15%, 89%
XYZ	59.9715, 70.9839, 61.5694
YIQ	214.2570, -8.7540, -17.5700

Conversions

Conversions Part 2

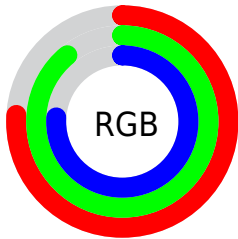
Format	Color
RYB	194, 228, 227
Decimal	12838082
CIELab	87.48, -17.17, 13.02
CIElCh	87, 21.552, 142.824
Yxy	70.9839, 0.3115, 0.3687
Android (android.graphics.Color)	4291028162 (0xFFC3E4C2)
YUV	214.2570, -9.9867, -16.8884
Hunter-Lab	84.2519, -20.3826, 15.6486

Details

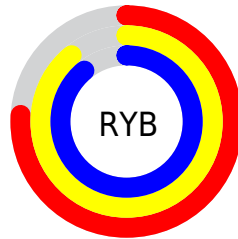
The Yxy color **70.9839, 0.3115, 0.3687** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.5233, 0.3137, 0.2921**, and the grayscale version is **67.4932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1805, 0.3132, 0.3328**, and **37.4433, 0.3112, 0.3800** is the 20% darker color. If you saturate the color by 10%, you get **67.3040, 0.3105, 0.3995**, and if you desaturate by 10%, it is **75.2654, 0.3124, 0.3413**.

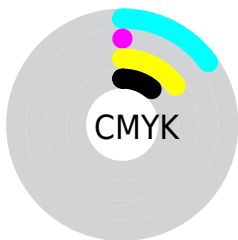
Distribution



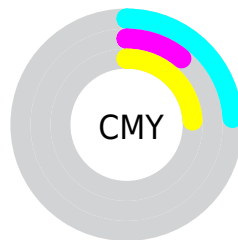
- Red (76%)
- Green (89%)
- Blue (76%)



- Red (76%)
- Yellow (89%)
- Blue (89%)



- Cyan (15%)
- Magenta (0%)
- Yellow (15%)
- Black (11%)





- Cyan (24%)
- Magenta (11%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.9839, 0.3115, 0.3687 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 70.9839, 0.3115, 0.3687 by changing the saturation by 10% instead.

 70.9839, 0.3115,
0.3687

 70.9839, 0.3115,
0.3687


463.9972, 0.3123,
0.3498

 52.3291, 0.3112,
0.3732


 120.6108, 0.3118,
0.3620

 37.2674, 0.3109,
0.3788


152.3516, 0.3119,
0.3594

 25.4146, 0.3104,
0.3860


189.2233, 0.3120,
0.3572

 16.3862, 0.3097,
0.3957

231.6101, 0.3121,
0.3553

 9.7979, 0.3084,
0.4093

279.8965, 0.3122,
0.3537

 5.2651, 0.3062,
0.4298


334.4669, 0.3122,

 2.4037, 0.3015,


0.3522


0.4639


395.7056, 0.3123,
0.3509


 0.8278, 0.3075,
0.6925


 0.0000, 0.0000,
0.0000


 70.9839, 0.3115,
0.3687


 70.9839, 0.3115,
0.3687


 67.3040, 0.3105,
0.3995

 75.2654, 0.3124,
0.3413

 64.1902, 0.3092,
0.4333

 80.1642, 0.3130,
0.3172

 61.6173, 0.3078,
0.4688

 83.9798, 0.3139,
0.3029

 59.5542, 0.3062,
0.5044

■ 57.9673, 0.3046,
0.5374

■ 56.8183, 0.3031,
0.5651

■ 56.0634, 0.3017,
0.5851

■ 55.6498, 0.3007,
0.5964

■ 55.5406, 0.3005,
0.5996

Harmonies

Analogous

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



70.9839, 0.3373, 0.3756



70.9839, 0.3115, 0.3687



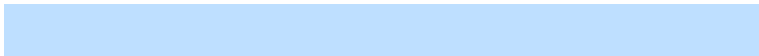
70.9839, 0.2867, 0.3496

Triad

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



70.9839, 0.3115, 0.3687



70.9839, 0.2696, 0.2888



70.9839, 0.3580, 0.3305

Complementary

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



70.9839, 0.3115, 0.3687



60.5233, 0.3137, 0.2921

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.



70.9839, 0.3384, 0.3093



70.9839, 0.3115, 0.3687



70.9839, 0.2872, 0.2858

Square

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



70.9839, 0.3115, 0.3687



70.9839, 0.2632, 0.3027



70.9839, 0.3122, 0.2933



70.9839, 0.3649, 0.3521

Rectangle

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



70.9839, 0.3115, 0.3687



70.9839, 0.2740, 0.3332



70.9839, 0.3122, 0.2933



70.9839, 0.3526, 0.3231

Sweetspot

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



70.9869, 0.3115, 0.3687



97.5278, 0.3124, 0.3389



75.2696, 0.3352, 0.3648



20.7786, 0.3124, 0.3409



0.0000, 0.0000, 0.0000



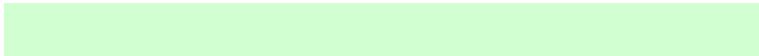
21.4041, 0.3127, 0.3290

Same Dimension

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



70.9869, 0.3115, 0.3687



89.8851, 0.3112, 0.3782



71.6138, 0.3010, 0.3499



16.1081, 0.3120, 0.3533



32.0721, 0.3006, 0.5995



2.3768, 0.3024, 0.5981

Inverse Universe

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



60.5233, 0.3137, 0.2921



73.8891, 0.3139, 0.2841



59.8352, 0.3264, 0.3090



14.5938, 0.3134, 0.3058



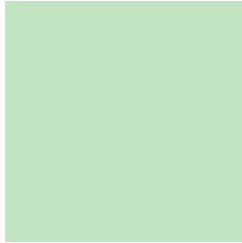
12.1809, 0.3140, 0.1504



0.9066, 0.3151, 0.1509

Previews

White Background



This preview shows how the Yxy color 70.9839, 0.3115, 0.3687 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 70.9839, 0.3115, 0.3687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

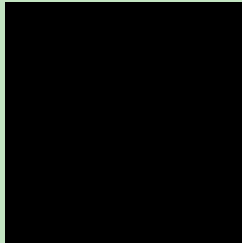
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

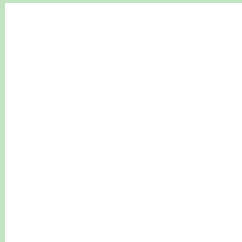
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.9839, 0.3115, 0.3687

Background



This preview shows how black text looks on a background with the Yxy color 70.9839, 0.3115, 0.3687.

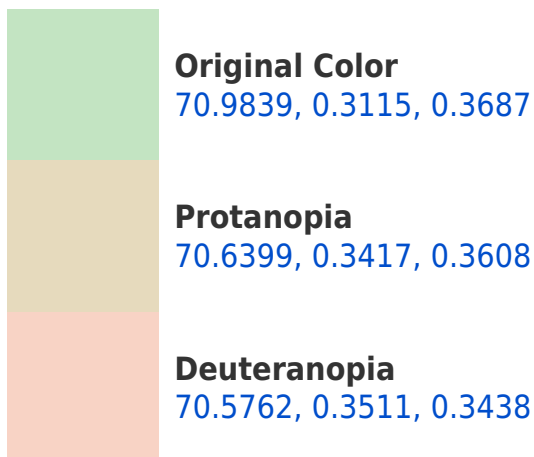


This preview shows how white text looks on a background with the Yxy color 70.9839, 0.3115, 0.3687.

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

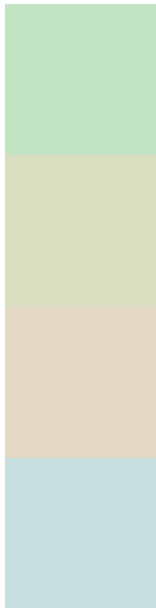




Tritanopia

71.0311, 0.2885, 0.3102

Trichromacy



Original Color

70.9839, 0.3115, 0.3687

Protanomaly

70.7559, 0.3298, 0.3639

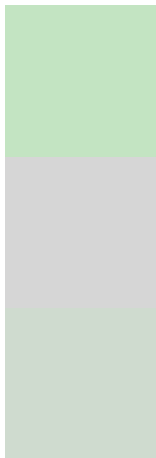
Deuteranomaly

70.2692, 0.3361, 0.3520

Tritanomaly

70.7811, 0.2963, 0.3301

Monochromacy



Original Color

70.9839, 0.3115, 0.3687

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.4334, 0.3121, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9839, 0.3115, 0.3687 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(195, 228, 194)` looks like.

```
.text, #text, p{  
    color:rgb(195, 228, 194)  
}
```

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(195, 228, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 228, 194) }
```

Border

The CSS property to change the border of an element to Yxy 70.9839, 0.3115, 0.3687 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(195, 228, 194) }
```

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

```
.border{ border-color:rgb(195, 228, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 228, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 228, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 228, 194); box-shadow:4px 4px 4px 4px rgb(195, 228, 194) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9839, 0.3115, 0.3687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 228, 194) }
```

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

```
.background{ background-color: rgb(195,  
228, 194) }
```

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