

Converting Colors

$Yxy(68.0108, 0.3110, 0.3752)$

Have a look what the booklet for
Yxy(68.0108, 0.3110, 0.3752)
contains.

Yxy(67.9604, 0.3112, 0.3758)	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(67.9604, 0.3112, 0.3758)

Conversions

Conversions Part 1

Format	Color
Hex	BBE1BA
RGB	187, 225, 186
RGB Percent	73%, 88%, 73%
CMY	0.2667, 0.1176, 0.2706
CMYK	0.17, 0.00, 0.17, 0.12
HSL	118°, 39%, 81%
HSV	118°, 17%, 88%
XYZ	56.2780, 67.9604, 56.6035
YIQ	209.1920, -10.1290, -20.1850

Conversions

Conversions Part 2

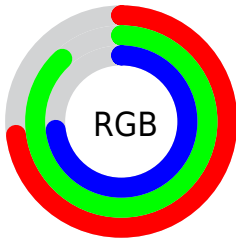
Format	Color
RYB	186, 225, 224
Decimal	12313018
CIELab	85.99, -19.74, 15.02
CIELCh	86, 24.806, 142.722
Yxy	67.9604, 0.3112, 0.3758
Android (android.graphics.Color)	4290503098 (0xFFBBE1BA)
YUV	209.1920, -11.4337, -19.4624
Hunter-Lab	82.4381, -22.4101, 16.9971

Details

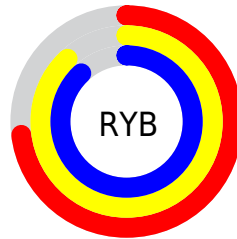
The Yxy color **67.9604, 0.3112, 0.3758** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.4047, 0.3139, 0.2861**, and the grayscale version is **63.9728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1639, 0.3134, 0.3417**, and **35.4295, 0.3099, 0.3883** is the 20% darker color. If you saturate the color by 10%, you get **64.5225, 0.3101, 0.4074**, and if you desaturate by 10%, it is **71.9772, 0.3121, 0.3475**.

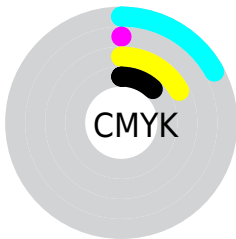
Distribution



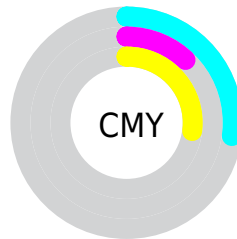
- Red (73%)
- Green (88%)
- Blue (73%)



- Red (73%)
- Yellow (88%)
- Blue (88%)



- Cyan (17%)
- Magenta (0%)
- Yellow (17%)
- Black (12%)




- Cyan (27%)
- Magenta (12%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9604, 0.3112, 0.3758 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 67.9604, 0.3112, 0.3758 by changing the saturation by 10% instead.

 67.9604, 0.3112,
0.3758

 67.9604, 0.3112,
0.3758


453.3557, 0.3123,
0.3532

 49.8655, 0.3109,
0.3812

 116.2955, 0.3116,
0.3678

 35.3066, 0.3104,
0.3880

147.3045, 0.3118,
0.3647

 23.8991, 0.3097,
0.3969


183.3870, 0.3119,
0.3621

 15.2588, 0.3086,
0.4088

224.9274, 0.3120,
0.3598

 9.0012, 0.3069,
0.4258

272.3100, 0.3121,
0.3578

 4.7420, 0.3036,
0.4517


325.9194, 0.3121,

 2.0967, 0.2966,

0.3561


0.4960


386.1398, 0.3122,
0.3546


 0.6628, 0.1826,
0.8174


 0.0000, 0.0000,
0.0000

 67.9604, 0.3112,
0.3758


 67.9604, 0.3112,
0.3758


 64.5225, 0.3101,
0.4074


 71.9772, 0.3121,
0.3475

 61.6287, 0.3088,
0.4417

 76.5887, 0.3129,
0.3227

 59.2537, 0.3073,
0.4774

 81.8209, 0.3135,
0.3012

 57.3669, 0.3057,
0.5126

 82.3356, 0.3141,
0.2999

■ 55.9343, 0.3041,
0.5446

■ 54.9177, 0.3026,
0.5707

■ 54.2727, 0.3014,
0.5886

■ 53.9435, 0.3005,
0.5980

■ 53.8922, 0.3004,
0.5997

Harmonies

Analogous

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



67.9604, 0.3413, 0.3837



67.9604, 0.3112, 0.3758



67.9604, 0.2824, 0.3532

Triad

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



67.9604, 0.3112, 0.3758



67.9604, 0.2625, 0.2822



67.9604, 0.3656, 0.3303

Complementary

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



67.9604, 0.3112, 0.3758



56.4047, 0.3139, 0.2861

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.



67.9604, 0.3425, 0.3061



67.9604, 0.3112, 0.3758



67.9604, 0.2828, 0.2789

Square

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



67.9604, 0.3112, 0.3758



67.9604, 0.2553, 0.2981



67.9604, 0.3119, 0.2876



67.9604, 0.3737, 0.3555

Rectangle

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



67.9604, 0.3112, 0.3758



67.9604, 0.2677, 0.3338



67.9604, 0.3119, 0.2876



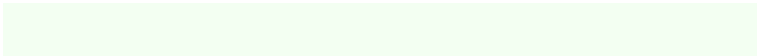
67.9604, 0.3593, 0.3219

Sweetspot

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



67.9633, 0.3112, 0.3758



96.9245, 0.3123, 0.3415



72.7092, 0.3389, 0.3706



20.6568, 0.3123, 0.3434



0.0000, 0.0000, 0.0000



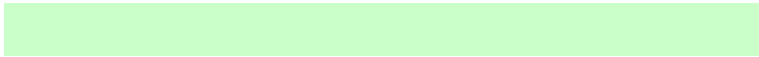
21.4041, 0.3127, 0.3290

Same Dimension

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



67.9633, 0.3112, 0.3758



88.4271, 0.3108, 0.3875



68.6638, 0.2992, 0.3536



15.3537, 0.3120, 0.3532



31.0597, 0.3006, 0.5995



2.1588, 0.3023, 0.5982

Inverse Universe

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



56.4047, 0.3139, 0.2861



70.2078, 0.3142, 0.2765



55.6213, 0.3289, 0.3057



13.9171, 0.3134, 0.3059



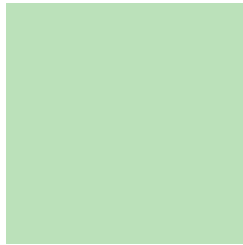
11.8474, 0.3147, 0.1507



0.8269, 0.3157, 0.1513

Previews

White Background



This preview shows how the Yxy color 67.9604, 0.3112, 0.3758 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 67.9604, 0.3112, 0.3758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

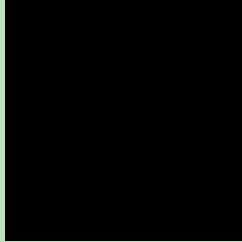
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

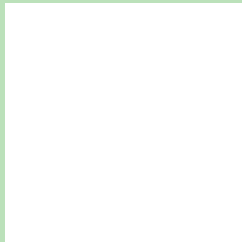
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.9604, 0.3112, 0.3758

Background



This preview shows how black text looks on a background with the Yxy color 67.9604, 0.3112, 0.3758.

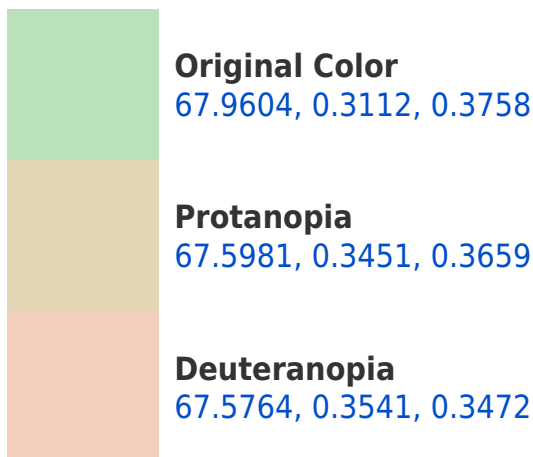


This preview shows how white text looks on a background with the Yxy color 67.9604, 0.3112, 0.3758.

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

67.7431, 0.2861, 0.3098

Trichromacy



Original Color

67.9604, 0.3112, 0.3758

Protanomaly

67.5588, 0.3321, 0.3692

Deuteranomaly

67.4552, 0.3370, 0.3570

Tritanomaly

67.9291, 0.2952, 0.3336

Monochromacy



Original Color

67.9604, 0.3112, 0.3758

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

65.2354, 0.3119, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9604, 0.3112, 0.3758 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(187, 225, 186)` looks like.

```
.text, #text, p{  
    color:rgb(187, 225, 186)  
}
```

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(187, 225, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 225, 186) }
```

Border

The CSS property to change the border of an element to Yxy 67.9604, 0.3112, 0.3758 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(187, 225, 186) }
```

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

```
.border{ border-color:rgb(187, 225, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 225, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 225, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 225, 186);  
box-shadow:4px 4px 4px 4px rgb(187, 225,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9604, 0.3112, 0.3758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 225, 186) }
```

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

```
.background{ background-color: rgb(187,  
225, 186) }
```

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