

Converting Colors

Yxy(67.8147, 0.3045, 0.3746)

Have a look what the booklet for
Yxy(67.8147, 0.3045, 0.3746)
contains.

Yxy(67.7701, 0.3045, 0.3738)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.7701, 0.3045, 0.3738)

Conversions

Conversions Part 1

Format	Color
Hex	B4E2BD
RGB	180, 226, 189
RGB Percent	71%, 89%, 74%
CMY	0.2941, 0.1137, 0.2588
CMYK	0.20, 0.00, 0.16, 0.11
HSL	132°, 44%, 80%
HSV	132°, 20%, 89%
XYZ	55.2060, 67.7701, 58.3243
YIQ	208.0280, -15.5390, -21.2590

Conversions

Conversions Part 2

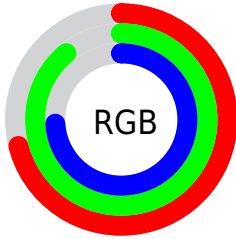
Format	Color
RYB	180, 218, 226
Decimal	11854525
CIELab	85.89, -22.01, 13.25
CIELCh	86, 25.690, 148.959
Yxy	67.7701, 0.3045, 0.3738
Android (android.graphics.Color)	4290044605 (0xFFB4E2BD)
YUV	208.0280, -9.3808, -24.5806
Hunter-Lab	82.3226, -24.3615, 15.6197

Details

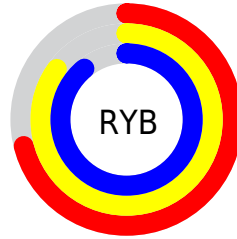
The Yxy color **67.7701, 0.3045, 0.3738** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.8229, 0.3222, 0.2880**, and the grayscale version is **63.1678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9454, 0.3067, 0.3389**, and **35.3390, 0.3014, 0.3858** is the 20% darker color. If you saturate the color by 10%, you get **64.5374, 0.3006, 0.3998**, and if you desaturate by 10%, it is **71.5496, 0.3085, 0.3504**.

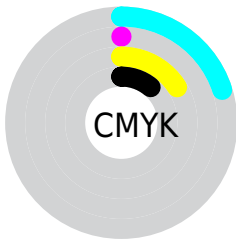
Distribution



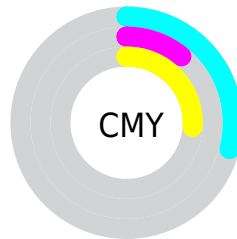
- Red (71%)
- Green (89%)
- Blue (74%)



- Red (71%)
- Yellow (85%)
- Blue (89%)



- Cyan (20%)
- Magenta (0%)
- Yellow (16%)
- Black (11%)





- Cyan (29%)
- Magenta (11%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7701, 0.3045, 0.3738 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 67.7701, 0.3045, 0.3738 by changing the saturation by 10% instead.


 67.7701, 0.3045,
0.3738

 67.7701, 0.3045,
0.3738


452.6810, 0.3087,
0.3521

 49.7107, 0.3034,
0.3790


 116.0232, 0.3060,
0.3661

 35.1836, 0.3021,
0.3855


146.9857, 0.3066,
0.3631

 23.8043, 0.3003,
0.3941


183.0180, 0.3071,
0.3606

 15.1885, 0.2977,
0.4056

224.5046, 0.3075,
0.3585

 8.9518, 0.2939,
0.4220

271.8298, 0.3079,
0.3566

 4.7098, 0.2878,
0.4471


325.3780, 0.3082,

 2.0780, 0.2761,


0.3549


0.4904


385.5336, 0.3084,
0.3535


 0.6522, 0.1124,
0.8876


 0.0000, 0.0000,
0.0000

 67.7701, 0.3045,
0.3738


 67.7701, 0.3045,
0.3738


 64.5374, 0.3006,
0.3998


 71.5496, 0.3085,
0.3504

 61.8180, 0.2970,
0.4282

 75.8908, 0.3126,
0.3297

 59.5876, 0.2941,
0.4582

 80.8185, 0.3165,
0.3116

 57.8167, 0.2920,
0.4886

 82.8742, 0.3140,
0.3009

■ 56.4724, 0.2910,
0.5180

■ 55.5176, 0.2913,
0.5445

■ 54.9083, 0.2929,
0.5665

■ 54.5782, 0.2951,
0.5823

Harmonies

Analogous

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



67.7701, 0.3361, 0.3855



67.7701, 0.3045, 0.3738



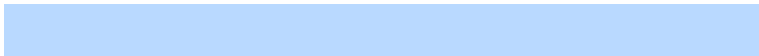
67.7701, 0.2761, 0.3480

Triad

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



67.7701, 0.3045, 0.3738



67.7701, 0.2641, 0.2788



67.7701, 0.3708, 0.3358

Complementary

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



67.7701, 0.3045, 0.3738



53.8229, 0.3222, 0.2880

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.



67.7701, 0.3495, 0.3101



67.7701, 0.3045, 0.3738



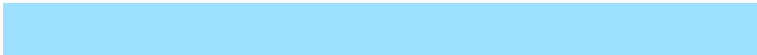
67.7701, 0.2874, 0.2781

Square

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



67.7701, 0.3045, 0.3738



67.7701, 0.2536, 0.2925



67.7701, 0.3186, 0.2894



67.7701, 0.3754, 0.3613

Rectangle

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



67.7701, 0.3045, 0.3738



67.7701, 0.2625, 0.3276



67.7701, 0.3186, 0.2894



67.7701, 0.3653, 0.3270

Sweetspot

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



67.7730, 0.3045, 0.3738



96.4456, 0.3103, 0.3411



72.5289, 0.3370, 0.3806



20.5641, 0.3100, 0.3425



0.0000, 0.0000, 0.0000



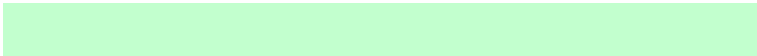
21.4041, 0.3127, 0.3290

Same Dimension

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



67.7730, 0.3045, 0.3738



87.4090, 0.3030, 0.3834



68.8232, 0.2909, 0.3462



15.3809, 0.3089, 0.3484



31.1493, 0.2945, 0.5802



2.1717, 0.2868, 0.5524

Inverse Universe

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



53.8229, 0.3222, 0.2880



66.2262, 0.3243, 0.2801



52.7344, 0.3407, 0.3125



13.8872, 0.3168, 0.3104



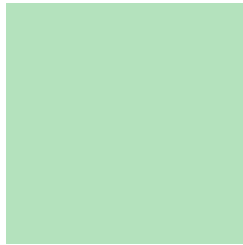
11.1615, 0.3774, 0.1853



0.7856, 0.3671, 0.1796

Previews

White Background



This preview shows how the Yxy color 67.7701, 0.3045, 0.3738 looks on a white background.

Color Contrast Check

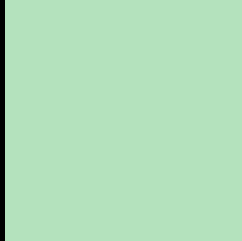
Large Text (above 18pt) WCAG AA × Fail

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 67.7701, 0.3045, 0.3738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

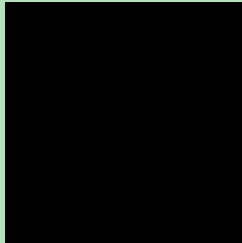
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

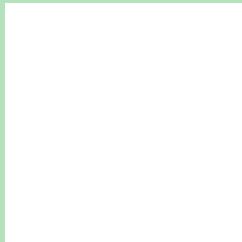
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.7701, 0.3045, 0.3738

Background



This preview shows how black text looks on a background with the Yxy color 67.7701, 0.3045, 0.3738.

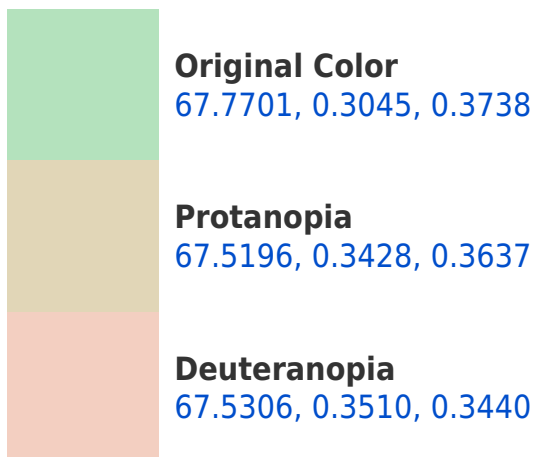


This preview shows how white text looks on a background with the Yxy color 67.7701, 0.3045, 0.3738.

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

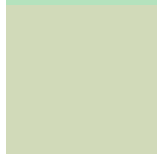
67.4688, 0.2805, 0.3084

Trichromacy



Original Color

67.7701, 0.3045, 0.3738



Protanomaly

67.2009, 0.3285, 0.3672



Deuteranomaly

67.1145, 0.3325, 0.3538



Tritanomaly

67.7241, 0.2888, 0.3313

Monochromacy



Original Color

67.7701, 0.3045, 0.3738



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

64.8237, 0.3098, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7701, 0.3045, 0.3738 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, 226, 189)` looks like.

```
.text, #text, p{  
    color:rgb(180, 226, 189)  
}
```

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, 226, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 226, 189) }
```

Border

The CSS property to change the border of an element to Yxy 67.7701, 0.3045, 0.3738 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, 226, 189) }
```

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

```
.border{ border-color:rgb(180, 226, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 226, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 226, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 226, 189); box-shadow:4px 4px 4px 4px rgb(180, 226, 189) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7701, 0.3045, 0.3738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 226, 189) }
```

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

```
.background{ background-color: rgb(180,  
226, 189) }
```

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