

Converting Colors

$Yxy(70.7672, 0.3155, 0.3872)$

Have a look what the booklet for
Yxy(70.7672, 0.3155, 0.3872)
contains.

Yxy(70.7486, 0.3154, 0.3872)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.7486, 0.3154, 0.3872)

Conversions

Conversions Part 1

Format	Color
Hex	BDE6B5
RGB	189, 230, 181
RGB Percent	74%, 90%, 71%
CMY	0.2587, 0.0980, 0.2901
CMYK	0.18, 0.00, 0.21, 0.10
HSL	110°, 49%, 81%
HSV	110°, 21%, 90%
XYZ	57.6294, 70.7486, 54.3405
YIQ	212.1550, -8.7070, -23.9310

Conversions

Conversions Part 2

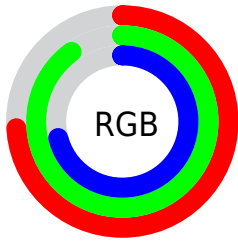
Format	Color
RYB	181, 230, 222
Decimal	12445365
CIELab	87.36, -22.34, 19.57
CIELCh	87, 29.696, 138.777
Yxy	70.7486, 0.3154, 0.3872
Android (android.graphics.Color)	4290635445 (0xFFBDE6B5)
YUV	212.1550, -15.3594, -20.3069
Hunter-Lab	84.1122, -24.8972, 20.5744

Details

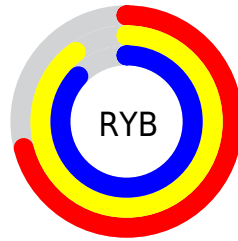
The Yxy color **70.7486, 0.3154, 0.3872** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.2930, 0.3087, 0.2751**, and the grayscale version is **66.0605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2273, 0.3175, 0.3467**, and **36.9815, 0.3154, 0.4018** is the 20% darker color. If you saturate the color by 10%, you get **67.5844, 0.3162, 0.4190**, and if you desaturate by 10%, it is **74.4010, 0.3143, 0.3581**.

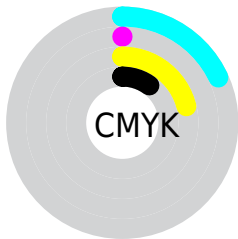
Distribution



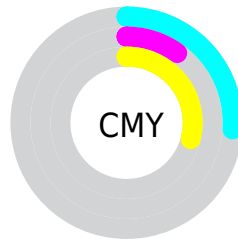
- Red (74%)
- Green (90%)
- Blue (71%)



- Red (71%)
- Yellow (90%)
- Blue (87%)



- Cyan (18%)
- Magenta (0%)
- Yellow (21%)
- Black (10%)





- Cyan (26%)
- Magenta (10%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7486, 0.3154, 0.3872 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 70.7486, 0.3154, 0.3872 by changing the saturation by 10% instead.


 70.7486, 0.3154,
0.3872

 70.7486, 0.3154,
0.3872


463.1741, 0.3147,
0.3592

 52.1371, 0.3154,
0.3939


 120.2757, 0.3153,
0.3773

 37.1143, 0.3154,
0.4023


151.9600, 0.3152,
0.3734

 25.2960, 0.3152,
0.4131


188.7708, 0.3151,
0.3702

 16.2977, 0.3147,
0.4277


231.0923, 0.3150,
0.3674

 9.7351, 0.3136,
0.4482

279.3090, 0.3149,
0.3649

 5.2237, 0.3109,
0.4792

333.8053, 0.3148,

 2.3791, 0.3051,

0.3628

394.9655, 0.3147,
0.3609

0.5326

0.8151, 0.2197,
0.7803

0.0000, 0.0000,
0.0000

70.7486, 0.3154,
0.3872

70.7486, 0.3154,
0.3872

67.5844, 0.3162,
0.4190

74.4010, 0.3143,
0.3581

64.8789, 0.3165,
0.4528

78.5518, 0.3129,
0.3321

62.6134, 0.3161,
0.4872

83.2219, 0.3114,
0.3092

60.7641, 0.3150,
0.5202

85.0725, 0.3138,
0.3048

■ 59.3051, 0.3130,
0.5496

■ 58.2074, 0.3103,
0.5729

■ 57.4377, 0.3071,
0.5887

■ 56.9976, 0.3044,
0.5965

Harmonies

Analogous

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



70.7486, 0.3505, 0.3935



70.7486, 0.3154, 0.3872



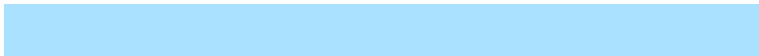
70.7486, 0.2809, 0.3620

Triad

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



70.7486, 0.3154, 0.3872



70.7486, 0.2519, 0.2756



70.7486, 0.3726, 0.3263

Complementary

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



70.7486, 0.3154, 0.3872



54.2930, 0.3087, 0.2751

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.



70.7486, 0.3433, 0.2987



70.7486, 0.3154, 0.3872



70.7486, 0.2736, 0.2701

Square

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



70.7486, 0.3154, 0.3872



70.7486, 0.2456, 0.2957



70.7486, 0.3067, 0.2786



70.7486, 0.3848, 0.3559

Rectangle

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



70.7486, 0.3154, 0.3872



70.7486, 0.2627, 0.3391



70.7486, 0.3067, 0.2786



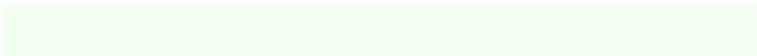
70.7486, 0.3644, 0.3166

Sweetspot

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



70.7516, 0.3154, 0.3872



96.7067, 0.3136, 0.3441



72.3137, 0.3465, 0.3737



20.6255, 0.3137, 0.3458



0.0000, 0.0000, 0.0000



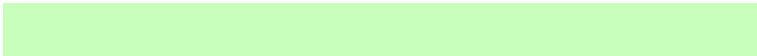
21.4041, 0.3127, 0.3290

Same Dimension

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



70.7516, 0.3154, 0.3872



87.3983, 0.3158, 0.4023



70.4647, 0.3001, 0.3679



16.2018, 0.3140, 0.3531



32.3044, 0.3050, 0.5960



2.4215, 0.3135, 0.5893

Inverse Universe

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



54.2930, 0.3087, 0.2751



62.7466, 0.3075, 0.2624



54.7139, 0.3281, 0.2931



14.4896, 0.3112, 0.3057



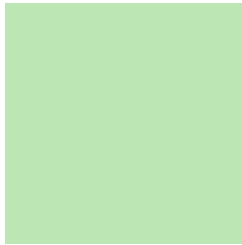
9.6517, 0.2800, 0.1316



0.7452, 0.2863, 0.1351

Previews

White Background



This preview shows how the Yxy color 70.7486, 0.3154, 0.3872 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 70.7486, 0.3154, 0.3872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

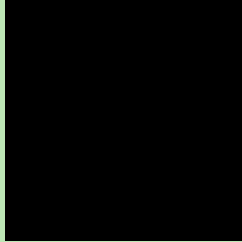
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

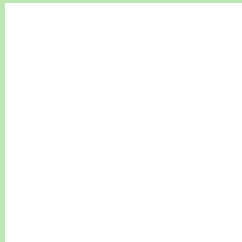
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.7486, 0.3154, 0.3872

Background



This preview shows how black text looks on a background with the Yxy color 70.7486, 0.3154, 0.3872.

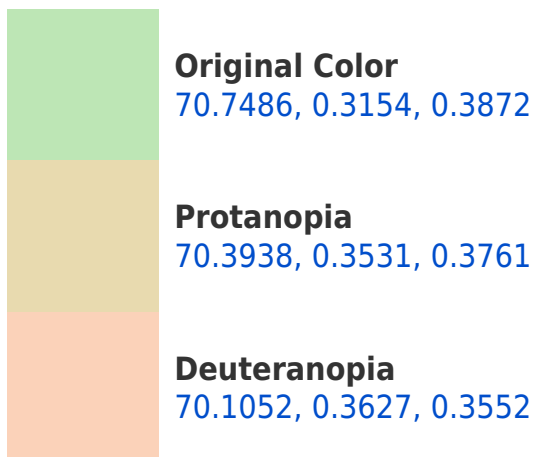


This preview shows how white text looks on a background with the Yxy color 70.7486, 0.3154, 0.3872.

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

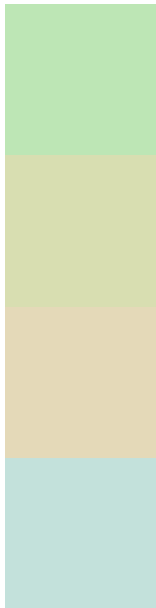




Tritanopia

70.6759, 0.2860, 0.3090

Trichromacy



Original Color

70.7486, 0.3154, 0.3872

Protanomaly

70.0158, 0.3386, 0.3801

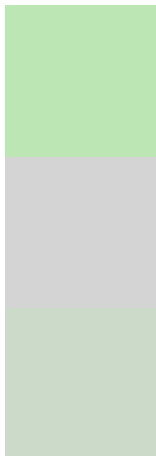
Deuteranomaly

69.5804, 0.3439, 0.3655

Tritanomaly

70.5670, 0.2961, 0.3358

Monochromacy



Original Color

70.7486, 0.3154, 0.3872

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.7175, 0.3139, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7486, 0.3154, 0.3872 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(189, 230, 181)` looks like.

```
.text, #text, p{  
    color:rgb(189, 230, 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(189, 230, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 230, 181) }
```

Border

The CSS property to change the border of an element to Yxy 70.7486, 0.3154, 0.3872 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(189, 230, 181) }
```

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

```
.border{ border-color:rgb(189, 230, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 230, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 230, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 230, 181);  
box-shadow:4px 4px 4px 4px rgb(189, 230,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7486, 0.3154, 0.3872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 230, 181) }
```

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

```
.background{ background-color: rgb(189,  
230, 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