

Converting Colors

$Yxy(70.5199, 0.3375, 0.4323)$

Have a look what the booklet for
Yxy(70.5199, 0.3375, 0.4323)
contains.

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Color

Yxy(70.7047, 0.3378, 0.4326)

Conversions

Conversions Part 1

Format	Color
Hex	BEE891
RGB	190, 232, 145
RGB Percent	75%, 91%, 57%
CMY	0.2547, 0.0902, 0.4314
CMYK	0.18, 0.00, 0.37, 0.09
HSL	89°, 65%, 74%
HSV	89°, 37%, 91%
XYZ	55.2105, 70.7047, 37.5261
YIQ	209.5240, 2.8950, -35.9610

Conversions

Conversions Part 2

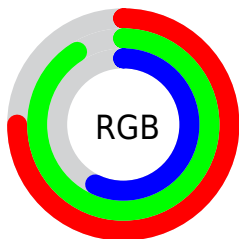
Format	Color
RYB	145, 232, 187
Decimal	12511377
CIELab	87.34, -28.25, 37.95
CIELCh	87, 47.311, 126.663
Yxy	70.7047, 0.3378, 0.4326
Android (android.graphics.Color)	4290701457 (0xFFBEE891)
YUV	209.5240, -31.8103, -17.1225
Hunter-Lab	84.0861, -29.9485, 32.4002

Details

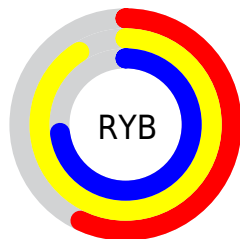
The Yxy color **70.7047, 0.3378, 0.4326** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **36.6374, 0.2774, 0.2250**, and the grayscale version is **64.3379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4643, 0.3400, 0.3840**, and **36.9919, 0.3414, 0.4593** is the 20% darker color. If you saturate the color by 10%, you get **68.6773, 0.3428, 0.4624**, and if you desaturate by 10%, it is **72.9950, 0.3317, 0.4029**.

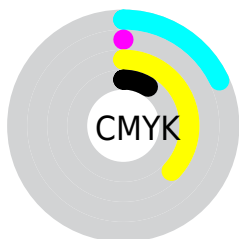
Distribution



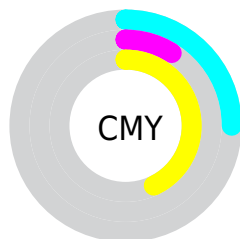
- Red (75%)
- Green (91%)
- Blue (57%)



- Red (57%)
- Yellow (91%)
- Blue (73%)



- Cyan (18%)
- Magenta (0%)
- Yellow (37%)
- Black (9%)




- Cyan (25%)
- Magenta (9%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7047, 0.3378, 0.4326 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 70.7047, 0.3378, 0.4326 by changing the saturation by 10% instead.


 70.7047, 0.3378,
0.4326

 70.7047, 0.3378,
0.4326


463.0205, 0.3278,
0.3824

 52.1012, 0.3396,
0.4445


 120.2132, 0.3347,
0.4148

 37.0858, 0.3414,
0.4593


 151.8870, 0.3334,
0.4080

 25.2739, 0.3433,
0.4782


188.6863, 0.3322,
0.4022

 16.2813, 0.3446,
0.5032

230.9956, 0.3311,
0.3972

 9.7234, 0.3445,
0.5370

279.1993, 0.3302,
0.3928

 5.2159, 0.3410,
0.5867

333.6818, 0.3293,

 2.3745, 0.3302,

0.3889


0.6698

394.8273, 0.3285,
0.3855


 0.8127, 0.0925,
0.9075


 0.0000, 0.0000,
0.0000

 70.7047, 0.3378,
0.4326


 70.7047, 0.3378,
0.4326


 68.6773, 0.3428,
0.4624


 72.9950, 0.3317,
0.4029


 66.8922, 0.3463,
0.4912


 75.5495, 0.3250,
0.3744

 65.3399, 0.3479,
0.5173

 78.3813, 0.3180,
0.3477


 64.0065, 0.3472,
0.5394


 81.4997, 0.3110,
0.3230

 62.8760, 0.3443,
0.5562

 84.5208, 0.3078,
0.3064

 61.9279, 0.3394,
0.5674

 86.1908, 0.3138,
0.3068

 61.7118, 0.3381,
0.5698

Harmonies

Analogous

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



70.7047, 0.3896, 0.4255



70.7047, 0.3378, 0.4326



70.7047, 0.2818, 0.4034

Triad

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



70.7047, 0.3378, 0.4326



70.7047, 0.2126, 0.2544



70.7047, 0.3921, 0.3053

Complementary

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



70.7047, 0.3378, 0.4326



36.6374, 0.2774, 0.2250

Split Complementary

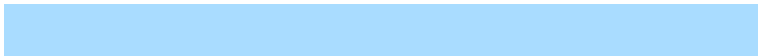
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.7047, 0.3372, 0.2684



70.7047, 0.3378, 0.4326



70.7047, 0.2357, 0.2390

Square

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



70.7047, 0.3378, 0.4326



70.7047, 0.2127, 0.2923



70.7047, 0.2797, 0.2447



70.7047, 0.4242, 0.3492

Rectangle

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



70.7047, 0.3378, 0.4326



70.7047, 0.2498, 0.3679



70.7047, 0.2797, 0.2447



70.7047, 0.3754, 0.2919

Sweetspot

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



70.7078, 0.3378, 0.4326



95.8473, 0.3205, 0.3570



54.1491, 0.3871, 0.3752



20.4121, 0.3215, 0.3606



0.0000, 0.0000, 0.0000



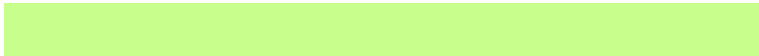
21.4041, 0.3127, 0.3290

Same Dimension

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



70.7078, 0.3378, 0.4326



85.6533, 0.3418, 0.4557



66.0421, 0.3092, 0.4423



16.4543, 0.3194, 0.3527



34.3369, 0.3392, 0.5689



2.5926, 0.3501, 0.5602

Inverse Universe

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



36.6374, 0.2774, 0.2250



37.7303, 0.2679, 0.2017



42.7518, 0.3145, 0.2357



14.2265, 0.3056, 0.3052



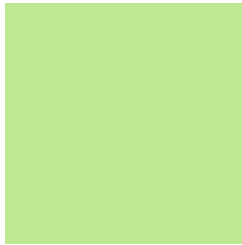
5.2170, 0.1992, 0.0871



0.4406, 0.2152, 0.0959

Previews

White Background



This preview shows how the Yxy color 70.7047, 0.3378, 0.4326 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 70.7047, 0.3378, 0.4326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

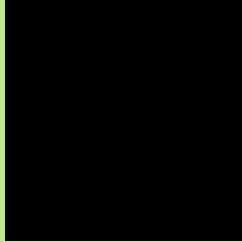
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7047, 0.3378, 0.4326

Background



This preview shows how black text looks on a background with the Yxy color 70.7047, 0.3378, 0.4326.

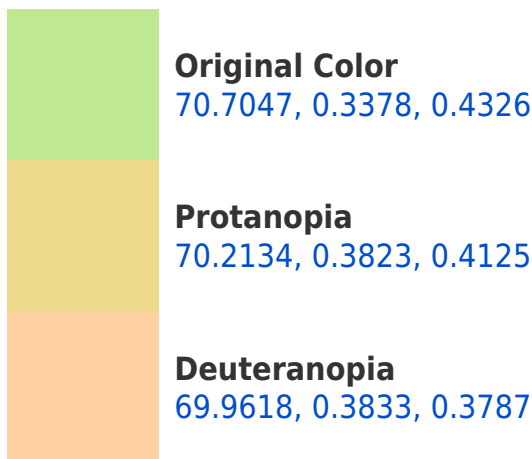


This preview shows how white text looks on a background with the Yxy color 70.7047, 0.3378, 0.4326.

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

70.7233, 0.2904, 0.3102

Trichromacy



Original Color

70.7047, 0.3378, 0.4326



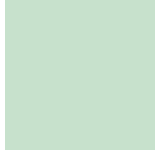
Protanomaly

70.1005, 0.3656, 0.4195



Deuteranomaly

69.5320, 0.3657, 0.3972



Tritanomaly

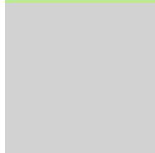
70.3522, 0.3081, 0.3532

Monochromacy



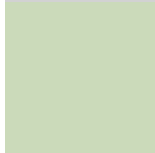
Original Color

70.7047, 0.3378, 0.4326



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

66.3845, 0.3233, 0.3665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7047, 0.3378, 0.4326 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(190, 232, 145)` looks like.

```
.text, #text, p{  
    color:rgb(190, 232, 145)  
}
```

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(190, 232, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 232, 145) }
```

Border

The CSS property to change the border of an element to Yxy 70.7047, 0.3378, 0.4326 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(190, 232, 145) }
```

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

```
.border{ border-color:rgb(190, 232, 145) }
```

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

Here you see how a box with a 4 pixel rgb(190, 232, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 232, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 232, 145);  
box-shadow:4px 4px 4px 4px rgb(190, 232,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7047, 0.3378, 0.4326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 232, 145) }
```

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

```
.background{ background-color: rgb(190,  
232, 145) }
```

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](#).

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