

Converting Colors

$Yxy(68.4829, 0.3219, 0.3973)$

Have a look what the booklet for
Yxy(68.4829, 0.3219, 0.3973)
contains.

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Color

Yxy(68.5318, 0.3218, 0.3977)

Conversions

Conversions Part 1

Format	Color
Hex	BCE3AA
RGB	188, 227, 170
RGB Percent	74%, 89%, 67%
CMY	0.2630, 0.1097, 0.3333
CMYK	0.17, 0.00, 0.25, 0.11
HSL	101°, 50%, 78%
HSV	101°, 25%, 89%
XYZ	55.4527, 68.5318, 48.3359
YIQ	208.8410, -4.9470, -25.9950

Conversions

Conversions Part 2

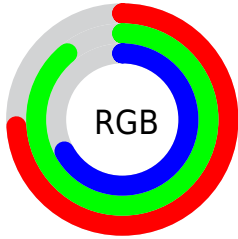
Format	Color
RYB	170, 227, 209
Decimal	12379050
CIELab	86.27, -23.03, 23.76
CIELCh	86, 33.090, 134.104
Yxy	68.5318, 0.3218, 0.3977
Android (android.graphics.Color)	4290569130 (0xFFBCE3AA)
YUV	208.8410, -19.1486, -18.2776
Hunter-Lab	82.7839, -25.3039, 23.3305

Details

The Yxy color **68.5318, 0.3218, 0.3977** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.8649, 0.3007, 0.2638**, and the grayscale version is **63.7758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4235, 0.3233, 0.3577**, and **35.5022, 0.3228, 0.4143** is the 20% darker color. If you saturate the color by 10%, you get **65.8784, 0.3247, 0.4290**, and if you desaturate by 10%, it is **71.5525, 0.3184, 0.3684**.

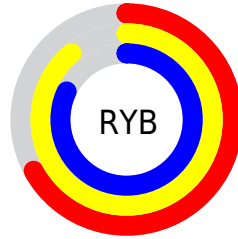
Distribution



Red (74%)

Green (89%)

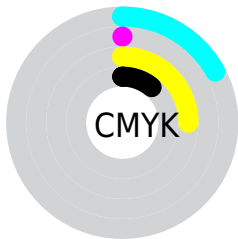
Blue (67%)



Red (67%)

Yellow (89%)

Blue (82%)

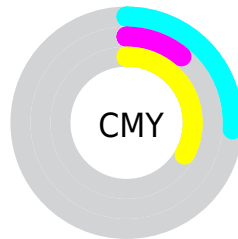


Cyan (17%)

Magenta (0%)

Yellow (25%)

Black (11%)



Cyan (26%)


Magenta (11%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5318, 0.3218, 0.3977 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 68.5318, 0.3218, 0.3977 by changing the saturation by 10% instead.


 68.5318, 0.3218,
0.3977

 68.5318, 0.3218,
0.3977


455.3779, 0.3182,
0.3644

 50.3305, 0.3224,
0.4057


 117.1126, 0.3207,
0.3858

 35.6761, 0.3231,
0.4158


148.2609, 0.3202,
0.3813

 24.1841, 0.3237,
0.4288


184.4936, 0.3198,
0.3774

 15.4703, 0.3242,
0.4464

226.1952, 0.3194,
0.3741

 9.1501, 0.3240,
0.4711

273.7500, 0.3191,
0.3712

 4.8392, 0.3222,
0.5084


327.5425, 0.3188,

 2.1532, 0.3265,


0.3686


0.5911


387.9570, 0.3185,
0.3664


 0.6943, 0.1234,
0.8766


 0.0000, 0.0000,
0.0000


 68.5318, 0.3218,
0.3977


 68.5318, 0.3218,
0.3977

 65.8784, 0.3247,
0.4290


 71.5525, 0.3184,
0.3684


 63.5691, 0.3268,
0.4615

 74.9452, 0.3147,
0.3417

 61.5914, 0.3278,
0.4937

 78.7256, 0.3109,
0.3176

 59.9288, 0.3274,
0.5238

 82.5259, 0.3107,
0.3016

■ 58.5630, 0.3254,
0.5499

■ 83.4287, 0.3140,
0.3019

■ 57.4734, 0.3218,
0.5702

■ 56.6361, 0.3170,
0.5837

■ 56.3041, 0.3146,
0.5884

Harmonies

Analogous

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



68.5318, 0.3604, 0.4008



68.5318, 0.3218, 0.3977



68.5318, 0.2824, 0.3719

Triad

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



68.5318, 0.3218, 0.3977



68.5318, 0.2424, 0.2714



68.5318, 0.3762, 0.3205

Complementary

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



68.5318, 0.3218, 0.3977



47.8649, 0.3007, 0.2638

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.



68.5318, 0.3409, 0.2909



68.5318, 0.3218, 0.3977



68.5318, 0.2640, 0.2630

Square

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



68.5318, 0.3218, 0.3977



68.5318, 0.2382, 0.2960



68.5318, 0.2994, 0.2704



68.5318, 0.3934, 0.3536

Rectangle

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



68.5318, 0.3218, 0.3977



68.5318, 0.2608, 0.3465



68.5318, 0.2994, 0.2704



68.5318, 0.3659, 0.3100

Sweetspot

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



68.5348, 0.3218, 0.3977



96.1989, 0.3158, 0.3492



64.8196, 0.3551, 0.3729



20.4453, 0.3163, 0.3532



0.0000, 0.0000, 0.0000



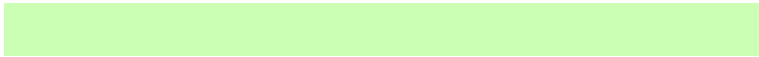
21.4041, 0.3127, 0.3290

Same Dimension

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



68.5348, 0.3218, 0.3977



87.3902, 0.3234, 0.4134



66.8089, 0.3030, 0.3868



16.3080, 0.3163, 0.3530



32.8854, 0.3156, 0.5876



2.4782, 0.3266, 0.5789

Inverse Universe

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



47.8649, 0.3007, 0.2638



56.2380, 0.2976, 0.2498



50.0717, 0.3242, 0.2774



14.3760, 0.3088, 0.3055



7.3973, 0.2430, 0.1112



0.5956, 0.2546, 0.1176

Previews

White Background



This preview shows how the Yxy color 68.5318, 0.3218, 0.3977 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 68.5318, 0.3218, 0.3977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

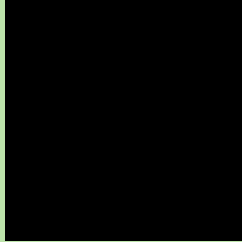
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

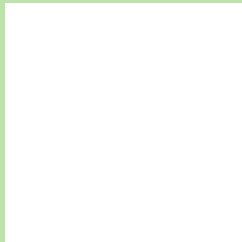
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.5318, 0.3218, 0.3977

Background



This preview shows how black text looks on a background with the Yxy color 68.5318, 0.3218, 0.3977.

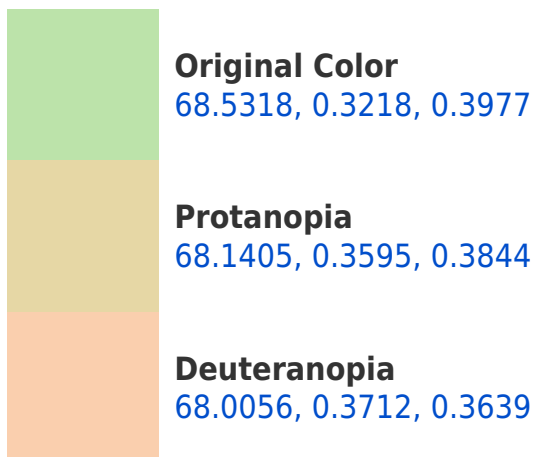


This preview shows how white text looks on a background with the Yxy color 68.5318, 0.3218, 0.3977.

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

68.2047, 0.2875, 0.3088

Trichromacy



Original Color

68.5318, 0.3218, 0.3977

Protanomaly

67.9001, 0.3453, 0.3886

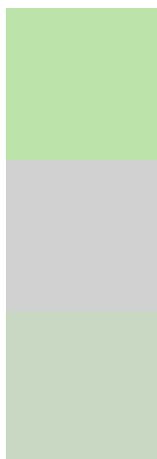
Deuteranomaly

67.4412, 0.3516, 0.3748

Tritanomaly

67.9357, 0.2997, 0.3394

Monochromacy



Original Color

68.5318, 0.3218, 0.3977

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

65.4694, 0.3159, 0.3536

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5318, 0.3218, 0.3977 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(188, 227, 170)` looks like.

```
.text, #text, p{  
    color:rgb(188, 227, 170)  
}
```

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(188, 227, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 227, 170) }
```

Border

The CSS property to change the border of an element to Yxy 68.5318, 0.3218, 0.3977 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(188, 227, 170) }
```

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

```
.border{ border-color:rgb(188, 227, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 227, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 227, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 227, 170);  
box-shadow:4px 4px 4px 4px rgb(188, 227,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5318, 0.3218, 0.3977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 227, 170) }
```

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

```
.background{ background-color: rgb(188,  
227, 170) }
```

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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