

Converting Colors

$Yxy(69.0629, 0.3382, 0.4452)$

Have a look what the booklet for
Yxy(69.0629, 0.3382, 0.4452)
contains.

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Color

Yxy(68.9684, 0.3388, 0.4452)

Conversions

Conversions Part 1

Format	Color
Hex	B7E787
RGB	183, 231, 135
RGB Percent	72%, 91%, 53%
CMY	0.2822, 0.0941, 0.4706
CMYK	0.21, 0.00, 0.42, 0.09
HSL	90°, 67%, 72%
HSV	90°, 42%, 91%
XYZ	52.4854, 68.9684, 33.4618
YIQ	205.7040, 2.2080, -40.0320

Conversions

Conversions Part 2

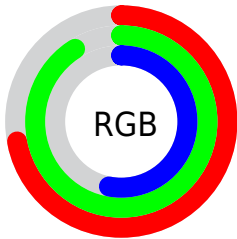
Format	Color
RYB	135, 231, 183
Decimal	12052359
CIELab	86.49, -31.55, 41.74
CIElCh	86, 52.322, 127.089
Yxy	68.9684, 0.3388, 0.4452
Android (android.graphics.Color)	4290242439 (0xFFB7E787)
YUV	205.7040, -34.8571, -19.9114
Hunter-Lab	83.0472, -32.5216, 34.2437

Details

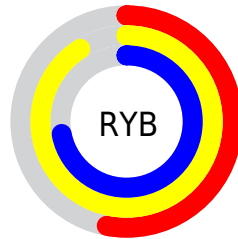
The Yxy color **68.9684, 0.3388, 0.4452** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **33.1525, 0.2739, 0.2132**, and the grayscale version is **61.7548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7194, 0.3419, 0.3962**, and **35.8737, 0.3420, 0.4757** is the 20% darker color. If you saturate the color by 10%, you get **67.0323, 0.3430, 0.4750**, and if you desaturate by 10%, it is **71.1677, 0.3334, 0.4151**.

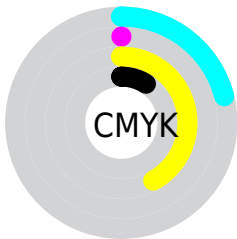
Distribution



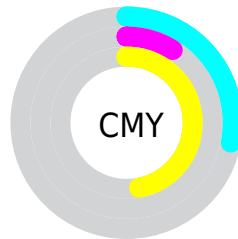
- Red (72%)
- Green (91%)
- Blue (53%)



- Red (53%)
- Yellow (91%)
- Blue (72%)



- Cyan (21%)
- Magenta (0%)
- Yellow (42%)
- Black (9%)




- Cyan (28%)
- Magenta (9%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9684, 0.3388, 0.4452 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 68.9684, 0.3388, 0.4452 by changing the saturation by 10% instead.

 68.9684, 0.3388,
0.4452


 68.9684, 0.3388,
0.4452


456.9195, 0.3288,
0.3886


 50.6860, 0.3404,
0.4587


 117.7364, 0.3358,
0.4251

 35.9588, 0.3420,
0.4755


 148.9908, 0.3345,
0.4174

 24.4023, 0.3432,
0.4969


 185.3380, 0.3333,
0.4108

 15.6323, 0.3434,
0.5251

227.1624, 0.3322,
0.4051

 9.2644, 0.3410,
0.5631

274.8483, 0.3312,
0.4002

 4.9140, 0.3379,
0.6270

328.7802, 0.3303,

 2.1969, 0.3065,

0.3958

0.6935

389.3425, 0.3295,
0.3920

0.7183, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.9684, 0.3388,
0.4452

68.9684, 0.3388,
0.4452

67.0323, 0.3430,
0.4750

71.1677, 0.3334,
0.4151

65.3382, 0.3455,
0.5032


73.6321, 0.3272,
0.3859

63.8761, 0.3459,
0.5281

76.3750, 0.3205,
0.3583


62.6311, 0.3442,
0.5484


79.4061, 0.3138,
0.3328

 61.5858, 0.3402,
0.5632

 82.7346, 0.3071,
0.3095

 60.8374, 0.3357,
0.5716

 85.1138, 0.3120,
0.3057

 85.6291, 0.3138,
0.3058

Harmonies

Analogous

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



68.9684, 0.3966, 0.4361



68.9684, 0.3388, 0.4452



68.9684, 0.2770, 0.4122

Triad

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



68.9684, 0.3388, 0.4452



68.9684, 0.2027, 0.2457



68.9684, 0.4019, 0.3030

Complementary

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



68.9684, 0.3388, 0.4452



33.1525, 0.2739, 0.2132

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.



68.9684, 0.3406, 0.2627



68.9684, 0.3388, 0.4452



68.9684, 0.2282, 0.2298

Square

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



68.9684, 0.3388, 0.4452



68.9684, 0.2023, 0.2867



68.9684, 0.2766, 0.2366



68.9684, 0.4373, 0.3509

Rectangle

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



68.9684, 0.3388, 0.4452



68.9684, 0.2420, 0.3715



68.9684, 0.2766, 0.2366



68.9684, 0.3833, 0.2884

Sweetspot

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



68.9714, 0.3388, 0.4452



95.3996, 0.3209, 0.3597



51.9439, 0.3966, 0.3820



20.3191, 0.3218, 0.3632



0.0000, 0.0000, 0.0000



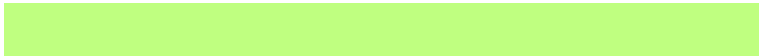
21.4041, 0.3127, 0.3290

Same Dimension

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



68.9714, 0.3388, 0.4452



84.1843, 0.3425, 0.4712



64.1815, 0.3076, 0.4571



16.4418, 0.3191, 0.3528



34.1818, 0.3369, 0.5707



2.5811, 0.3479, 0.5620

Inverse Universe

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



33.1525, 0.2739, 0.2132



33.6269, 0.2632, 0.1874



39.8166, 0.3160, 0.2266



14.2389, 0.3058, 0.3053



5.3653, 0.2024, 0.0889



0.4517, 0.2183, 0.0976

Previews

White Background



This preview shows how the Yxy color 68.9684, 0.3388, 0.4452 looks on a white background.

Color Contrast Check

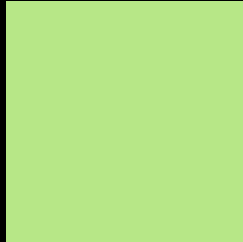
Large Text (above 18pt) WCAG AA × Fail

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 68.9684, 0.3388, 0.4452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

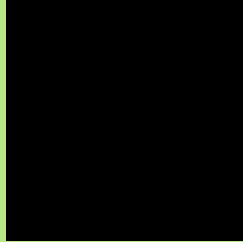
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.9684, 0.3388, 0.4452

Background



This preview shows how black text looks on a background with the Yxy color 68.9684, 0.3388, 0.4452.

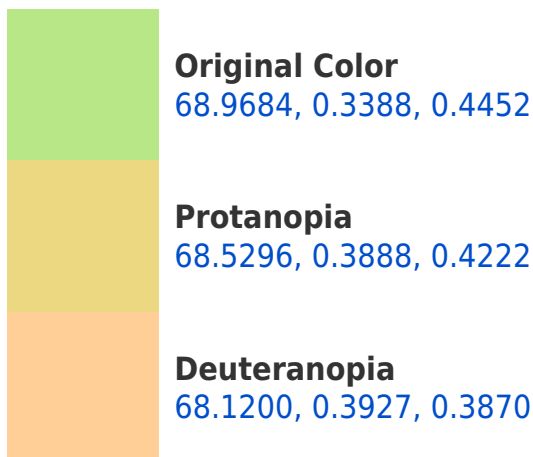


This preview shows how white text looks on a background with the Yxy color 68.9684, 0.3388, 0.4452.

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

68.7249, 0.2875, 0.3099

Trichromacy



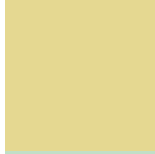
Original Color

68.9684, 0.3388, 0.4452



Protanomaly

68.1033, 0.3702, 0.4305



Deuteranomaly

67.8141, 0.3725, 0.4075



Tritanomaly

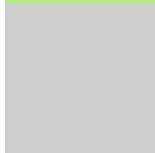
68.2363, 0.3072, 0.3572

Monochromacy



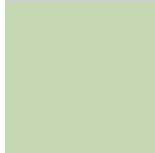
Original Color

68.9684, 0.3388, 0.4452



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

63.9019, 0.3240, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9684, 0.3388, 0.4452 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(183, 231, 135)` looks like.

```
.text, #text, p{  
    color:rgb(183, 231, 135)  
}
```

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(183, 231, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 231, 135) }
```

Border

The CSS property to change the border of an element to Yxy 68.9684, 0.3388, 0.4452 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(183, 231, 135) }
```

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

```
.border{ border-color:rgb(183, 231, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 231, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 231, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 231, 135);  
box-shadow:4px 4px 4px 4px rgb(183, 231,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9684, 0.3388, 0.4452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 231, 135) }
```

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

```
.background{ background-color: rgb(183,  
231, 135) }
```

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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