

Converting Colors

$Yxy(68.7086, 0.3300, 0.4278)$

Have a look what the booklet for
Yxy(68.7086, 0.3300, 0.4278)
contains.

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Color

Yxy(68.7086, 0.3300, 0.4278)

Conversions

Conversions Part 1

Format	Color
Hex	B6E695
RGB	182, 230, 149
RGB Percent	71%, 90%, 58%
CMY	0.2865, 0.0980, 0.4157
CMYK	0.21, 0.00, 0.35, 0.10
HSL	96°, 62%, 74%
HSV	96°, 35%, 90%
XYZ	53.0010, 68.7086, 38.8995
YIQ	206.4140, -2.6070, -35.3670

Conversions

Conversions Part 2

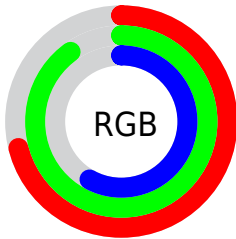
Format	Color
RYB	149, 230, 197
Decimal	11986581
CIELab	86.36, -29.66, 34.57
CIElCh	86, 45.548, 130.629
Yxy	68.7086, 0.3300, 0.4278
Android (android.graphics.Color)	4290176661 (0xFFB6E695)
YUV	206.4140, -28.3051, -21.4111
Hunter-Lab	82.8907, -30.9241, 30.1994

Details

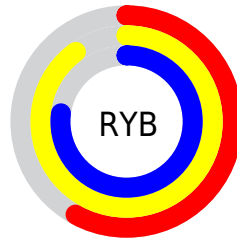
The Yxy color **68.7086, 0.3300, 0.4278** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.0890, 0.2878, 0.2340**, and the grayscale version is **62.1805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2304, 0.3324, 0.3808**, and **35.7244, 0.3327, 0.4537** is the 20% darker color. If you saturate the color by 10%, you get **66.4669, 0.3335, 0.4591**, and if you desaturate by 10%, it is **71.2634, 0.3256, 0.3973**.

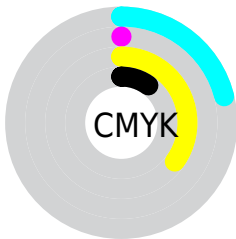
Distribution



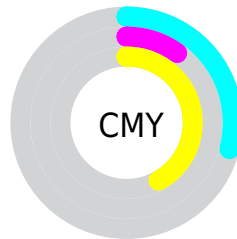
- Red (71%)
- Green (90%)
- Blue (58%)



- Red (58%)
- Yellow (90%)
- Blue (77%)



- Cyan (21%)
- Magenta (0%)
- Yellow (35%)
- Black (10%)





- Cyan (29%)
- Magenta (10%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7086, 0.3300, 0.4278 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 68.7086, 0.3300, 0.4278 by changing the saturation by 10% instead.


 68.7086, 0.3300,
0.4278


 68.7086, 0.3300,
0.4278

456.0025, 0.3234,
0.3796

 50.4744, 0.3311,
0.4394


 117.3653, 0.3281,
0.4106

 35.7905, 0.3321,
0.4539


 148.5566, 0.3272,
0.4040

 24.2724, 0.3329,
0.4727


184.8357, 0.3264,
0.3984

 15.5358, 0.3331,
0.4977

226.5870, 0.3257,
0.3936

 9.1963, 0.3315,
0.5323

274.1950, 0.3250,
0.3894

 4.8695, 0.3257,
0.5832

328.0440, 0.3244,

 2.1709, 0.3169,

0.3857

0.6831

388.5184, 0.3239,
0.3825

0.7040, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.7086, 0.3300,
0.4278

68.7086, 0.3300,
0.4278

66.4669, 0.3335,
0.4591

71.2634, 0.3256,
0.3973

64.5161, 0.3357,
0.4900


74.1346, 0.3207,
0.3685


62.8448, 0.3362,
0.5187


77.3368, 0.3155,
0.3419

61.4374, 0.3348,
0.5436

80.8809, 0.3102,
0.3178

 60.2761, 0.3315,
0.5631

 84.1836, 0.3106,
0.3046

 59.3398, 0.3266,
0.5763

 85.0847, 0.3138,
0.3049

 58.9586, 0.3239,
0.5810

Harmonies

Analogous

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



68.7086, 0.3818, 0.4256



68.7086, 0.3300, 0.4278



68.7086, 0.2761, 0.3950

Triad

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



68.7086, 0.3300, 0.4278



68.7086, 0.2168, 0.2532



68.7086, 0.3956, 0.3115

Complementary

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



68.7086, 0.3300, 0.4278



39.0890, 0.2878, 0.2340

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.



68.7086, 0.3442, 0.2740



68.7086, 0.3300, 0.4278



68.7086, 0.2423, 0.2409

Square

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



68.7086, 0.3300, 0.4278



68.7086, 0.2139, 0.2874



68.7086, 0.2876, 0.2489



68.7086, 0.4228, 0.3548

Rectangle

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



68.7086, 0.3300, 0.4278



68.7086, 0.2463, 0.3593



68.7086, 0.2876, 0.2489



68.7086, 0.3803, 0.2980

Sweetspot

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



68.7116, 0.3300, 0.4278



95.3016, 0.3185, 0.3571



58.5932, 0.3778, 0.3826



20.2823, 0.3192, 0.3608



0.0000, 0.0000, 0.0000



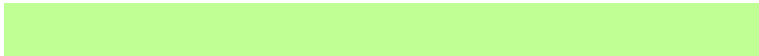
21.4041, 0.3127, 0.3290

Same Dimension

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



68.7116, 0.3300, 0.4278



84.7884, 0.3326, 0.4498



65.3856, 0.3040, 0.4258



16.3737, 0.3177, 0.3529



33.4397, 0.3250, 0.5801



2.5242, 0.3365, 0.5710

Inverse Universe

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



39.0890, 0.2878, 0.2340



42.2854, 0.2813, 0.2138



43.6619, 0.3227, 0.2483



14.3078, 0.3073, 0.3054



6.2946, 0.2220, 0.0996



0.5191, 0.2361, 0.1074

Previews

White Background



This preview shows how the Yxy color 68.7086, 0.3300, 0.4278 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 68.7086, 0.3300, 0.4278 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 68.7086, 0.3300, 0.4278

Background



This preview shows how black text looks on a background with the Yxy color 68.7086, 0.3300, 0.4278.

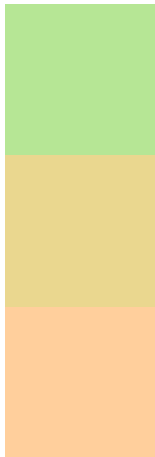


This preview shows how white text looks on a background with the Yxy color 68.7086, 0.3300, 0.4278.

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

**Original Color**

68.7086, 0.3300, 0.4278

Protanopia

68.0765, 0.3782, 0.4075

Deuteranopia

68.2859, 0.3890, 0.3819



Tritanopia

68.3796, 0.2850, 0.3087

Trichromacy



Original Color

68.7086, 0.3300, 0.4278



Protanomaly

67.6778, 0.3599, 0.4148



Deuteranomaly

67.3948, 0.3664, 0.3980



Tritanomaly

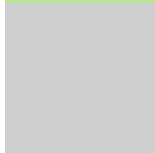
68.1303, 0.3014, 0.3501

Monochromacy



Original Color

68.7086, 0.3300, 0.4278



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

63.9740, 0.3198, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7086, 0.3300, 0.4278 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(182, 230, 149)` looks like.

```
.text, #text, p{  
    color:rgb(182, 230, 149)  
}
```

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(182, 230, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 230, 149) }
```

Border

The CSS property to change the border of an element to Yxy 68.7086, 0.3300, 0.4278 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(182, 230, 149) }
```

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

```
.border{ border-color:rgb(182, 230, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 230, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 230, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 230, 149);  
box-shadow:4px 4px 4px 4px rgb(182, 230,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7086, 0.3300, 0.4278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 230, 149) }
```

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

```
.background{ background-color: rgb(182,  
230, 149) }
```

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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