

Converting Colors

$Yxy(71.1631, 0.3340, 0.4127)$

Have a look what the booklet for
Yxy(71.1631, 0.3340, 0.4127)
contains.

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Color

Yxy(70.8326, 0.3340, 0.4128)

Conversions

Conversions Part 1

Format	Color
Hex	C4E69F
RGB	196, 230, 159
RGB Percent	77%, 90%, 62%
CMY	0.2315, 0.0980, 0.3765
CMYK	0.15, 0.00, 0.31, 0.10
HSL	89°, 59%, 76%
HSV	89°, 31%, 90%
XYZ	57.3113, 70.8326, 43.4467
YIQ	211.7400, 2.5270, -29.2890

Conversions

Conversions Part 2

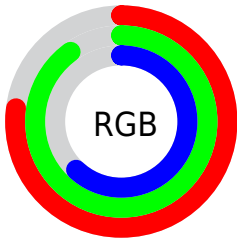
Format	Color
RYB	159, 230, 193
Decimal	12904095
CIELab	87.40, -23.29, 31.04
CIELCh	87, 38.808, 126.884
Yxy	70.8326, 0.3340, 0.4128
Android (android.graphics.Color)	4291094175 (0xFFC4E69F)
YUV	211.7400, -26.0008, -13.8040
Hunter-Lab	84.1621, -25.7318, 28.3064

Details

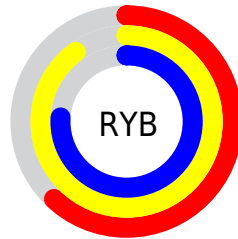
The Yxy color **70.8326, 0.3340, 0.4128** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **41.8502, 0.2848, 0.2449**, and the grayscale version is **65.8280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2577, 0.3356, 0.3692**, and **36.9964, 0.3373, 0.4337** is the 20% darker color. If you saturate the color by 10%, you get **68.6854, 0.3398, 0.4426**, and if you desaturate by 10%, it is **73.2433, 0.3274, 0.3838**.

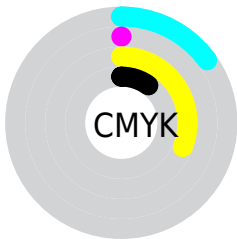
Distribution



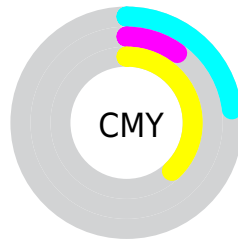
- Red (77%)
- Green (90%)
- Blue (62%)



- Red (62%)
- Yellow (90%)
- Blue (76%)



- Cyan (15%)
- Magenta (0%)
- Yellow (31%)
- Black (10%)





- Cyan (23%)
- Magenta (10%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8326, 0.3340, 0.4128 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 70.8326, 0.3340, 0.4128 by changing the saturation by 10% instead.


 70.8326, 0.3340,
0.4128


 70.8326, 0.3340,
0.4128

463.4680, 0.3251,
0.3724

 52.2056, 0.3357,
0.4224


 120.3953, 0.3312,
0.3985

 37.1690, 0.3377,
0.4343


 152.0999, 0.3300,
0.3930

 25.3384, 0.3398,
0.4497

188.9323, 0.3289,
0.3883

 16.3293, 0.3420,
0.4701

231.2772, 0.3280,
0.3843

 9.7575, 0.3438,
0.4982

279.5188, 0.3272,
0.3808

 5.2385, 0.3437,
0.5388


334.0415, 0.3264,

 2.3878, 0.3589,


0.3776


0.6411

395.2298, 0.3257,
0.3749


 0.8196, 0.2043,
0.7957


 0.0000, 0.0000,
0.0000


 70.8326, 0.3340,
0.4128


 70.8326, 0.3340,
0.4128


 68.6854, 0.3398,
0.4426


 73.2433, 0.3274,
0.3838


 66.7819, 0.3444,
0.4722

 75.9180, 0.3204,
0.3565

 65.1136, 0.3474,
0.5001

 78.8691, 0.3133,
0.3311

 63.6680, 0.3483,
0.5250

 82.1056, 0.3064,
0.3080

■ 62.4308, 0.3469,
0.5454

■ 84.3508, 0.3112,
0.3047

■ 61.3856, 0.3432,
0.5602

■ 85.0823, 0.3138,
0.3049

■ 60.5761, 0.3385,
0.5694

Harmonies

Analogous

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



70.8326, 0.3766, 0.4089



70.8326, 0.3340, 0.4128



70.8326, 0.2876, 0.3887

Triad

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



70.8326, 0.3340, 0.4128



70.8326, 0.2290, 0.2675



70.8326, 0.3780, 0.3101

Complementary

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



70.8326, 0.3340, 0.4128



41.8502, 0.2848, 0.2449

Split Complementary

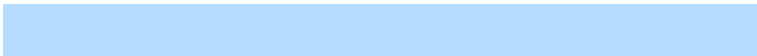
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.8326, 0.3336, 0.2785



70.8326, 0.3340, 0.4128



70.8326, 0.2489, 0.2539

Square

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



70.8326, 0.3340, 0.4128



70.8326, 0.2292, 0.2995



70.8326, 0.2862, 0.2584



70.8326, 0.4041, 0.3474

Rectangle

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



70.8326, 0.3340, 0.4128



70.8326, 0.2608, 0.3605



70.8326, 0.2862, 0.2584



70.8326, 0.3645, 0.2986

Sweetspot

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



70.8357, 0.3340, 0.4128



96.5814, 0.3191, 0.3517



57.0871, 0.3712, 0.3668



20.5599, 0.3202, 0.3555



0.0000, 0.0000, 0.0000



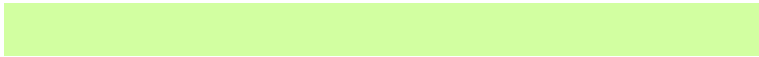
21.4041, 0.3127, 0.3290

Same Dimension

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



70.8357, 0.3340, 0.4128



87.7476, 0.3378, 0.4316



66.7194, 0.3100, 0.4193



16.4563, 0.3194, 0.3527



34.3628, 0.3396, 0.5686



2.5945, 0.3505, 0.5599

Inverse Universe

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



41.8502, 0.2848, 0.2449



45.6934, 0.2776, 0.2258



46.9434, 0.3143, 0.2519



14.2244, 0.3055, 0.3052



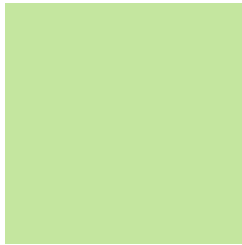
5.1933, 0.1986, 0.0868



0.4388, 0.2147, 0.0956

Previews

White Background



This preview shows how the Yxy color 70.8326, 0.3340, 0.4128 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 70.8326, 0.3340, 0.4128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

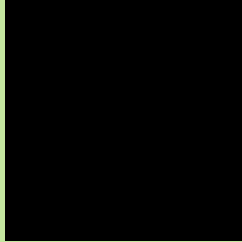
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.8326, 0.3340, 0.4128

Background



This preview shows how black text looks on a background with the Yxy color 70.8326, 0.3340, 0.4128.



This preview shows how white text looks on a background with the Yxy color 70.8326, 0.3340, 0.4128.

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

70.8326, 0.3340, 0.4128

Protanopia

70.3088, 0.3711, 0.3984

Deuteranopia

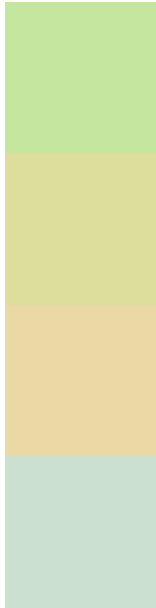
70.1803, 0.3788, 0.3726



Tritanopia

70.6248, 0.2923, 0.3092

Trichromacy



Original Color

70.8326, 0.3340, 0.4128

Protanomaly

70.0150, 0.3567, 0.4032

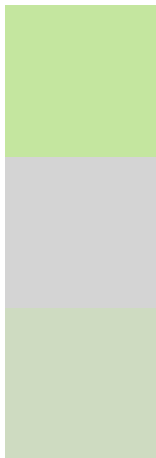
Deuteranomaly

69.8347, 0.3621, 0.3858

Tritanomaly

70.6113, 0.3077, 0.3461

Monochromacy



Original Color

70.8326, 0.3340, 0.4128

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.6351, 0.3207, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8326, 0.3340, 0.4128 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(196, 230, 159)` looks like.

```
.text, #text, p{  
    color:rgb(196, 230, 159)  
}
```

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(196, 230, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 230, 159) }
```

Border

The CSS property to change the border of an element to Yxy 70.8326, 0.3340, 0.4128 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(196, 230, 159) }
```

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

```
.border{ border-color:rgb(196, 230, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 230, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 230, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 230, 159);  
box-shadow:4px 4px 4px 4px rgb(196, 230,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8326, 0.3340, 0.4128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 230, 159) }
```

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

```
.background{ background-color: rgb(196,  
230, 159) }
```

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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