

Converting Colors

Yxy(76.3516, 0.3350, 0.4239)

Have a look what the booklet for
Yxy(76.3516, 0.3350, 0.4239)
contains.

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Color

Yxy(76.1731, 0.3350, 0.4236)

Conversions

Conversions Part 1

Format	Color
Hex	C6EF9D
RGB	198, 239, 157
RGB Percent	78%, 94%, 62%
CMY	0.2235, 0.0627, 0.3845
CMYK	0.17, 0.00, 0.34, 0.06
HSL	90°, 72%, 78%
HSV	90°, 34%, 94%
XYZ	60.2408, 76.1731, 43.4093
YIQ	217.3930, 1.8860, -34.1940

Conversions

Conversions Part 2

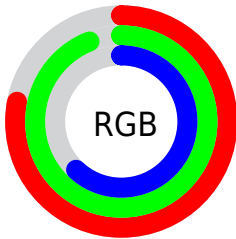
Format	Color
RYB	157, 239, 198
Decimal	13037469
CIELab	89.94, -27.15, 35.46
CIELCh	90, 44.654, 127.438
Yxy	76.1731, 0.3350, 0.4236
Android (android.graphics.Color)	4291227549 (0xFFC6EF9D)
YUV	217.3930, -29.7737, -17.0077
Hunter-Lab	87.2772, -29.5302, 31.6048

Details

The Yxy color **76.1731, 0.3350, 0.4236** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.3343, 0.2822, 0.2347**, and the grayscale version is **69.8803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5335, 0.3382, 0.3711**, and **40.7265, 0.3381, 0.4469** is the 20% darker color. If you saturate the color by 10%, you get **73.8790, 0.3401, 0.4538**, and if you desaturate by 10%, it is **78.7615, 0.3290, 0.3940**.

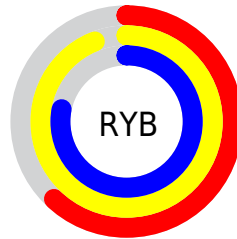
Distribution



Red (78%)

Green (94%)

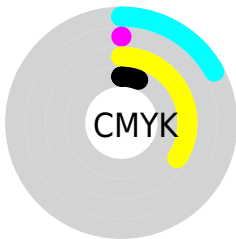
Blue (62%)



Red (62%)

Yellow (94%)

Blue (78%)

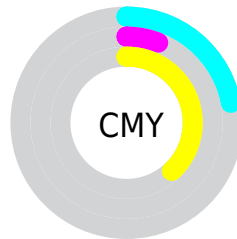


Cyan (17%)

Magenta (0%)

Yellow (34%)

Black (6%)



Cyan (22%)


Magenta (6%)


Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.1731, 0.3350, 0.4236 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 76.1731, 0.3350, 0.4236 by changing the saturation by 10% instead.

 76.1731, 0.3350,
0.4236


 76.1731, 0.3350,
0.4236


481.9400, 0.3261,
0.3784

 56.5745, 0.3366,
0.4342

 127.9716, 0.3322,
0.4077

 40.6637, 0.3383,
0.4473


 160.9402, 0.3311,
0.4016

 28.0564, 0.3401,
0.4640


199.1342, 0.3300,
0.3964

 18.3682, 0.3417,
0.4859

242.9381, 0.3291,
0.3918

 11.2146, 0.3425,
0.5156

292.7363, 0.3282,
0.3878

 6.2114, 0.3404,
0.5573


348.9130, 0.3275,

 2.9740, 0.3478,


0.3843


0.6522


411.8528, 0.3268,
0.3812


 1.1182, 0.2552,
0.7448


 0.0000, 0.0000,
0.0000


 76.1731, 0.3350,
0.4236


 76.1731, 0.3350,
0.4236


 73.8790, 0.3401,
0.4538


 78.7615, 0.3290,
0.3940

 71.8569, 0.3439,
0.4833

 81.6456, 0.3224,
0.3658

 70.0968, 0.3458,
0.5108

 84.8396, 0.3156,
0.3396

 68.5839, 0.3456,
0.5346

 88.3534, 0.3089,
0.3157

■ 67.3014, 0.3432,
0.5534

■ 90.2159, 0.3134,
0.3136

■ 66.2293, 0.3387,
0.5664

■ 65.6991, 0.3355,
0.5718

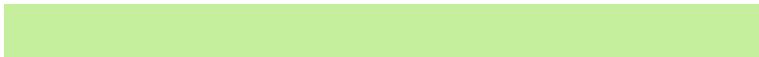
Harmonies

Analogous

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



76.1731, 0.3831, 0.4187



76.1731, 0.3350, 0.4236



76.1731, 0.2833, 0.3959

Triad

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



76.1731, 0.3350, 0.4236



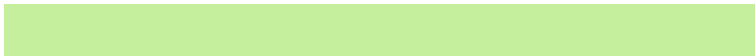
76.1731, 0.2200, 0.2596



76.1731, 0.3868, 0.3083

Complementary

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



76.1731, 0.3350, 0.4236



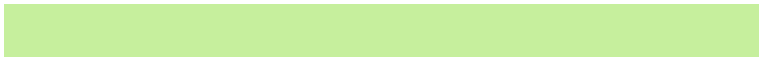
42.3343, 0.2822, 0.2347

Split Complementary

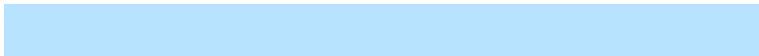
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.1731, 0.3369, 0.2735



76.1731, 0.3350, 0.4236



76.1731, 0.2422, 0.2454

Square

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



76.1731, 0.3350, 0.4236



76.1731, 0.2196, 0.2945



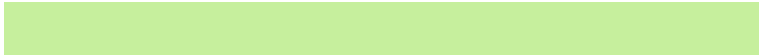
76.1731, 0.2837, 0.2510



76.1731, 0.4157, 0.3495

Rectangle

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



76.1731, 0.3350, 0.4236



76.1731, 0.2537, 0.3634



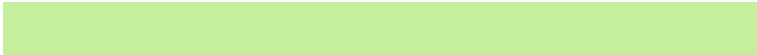
76.1731, 0.2837, 0.2510



76.1731, 0.3717, 0.2957

Sweetspot

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



76.1764, 0.3350, 0.4236



96.1281, 0.3195, 0.3543



60.5437, 0.3790, 0.3727



20.4653, 0.3205, 0.3581



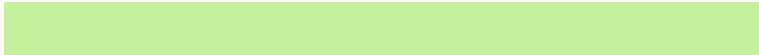
0.0000, 0.0000, 0.0000



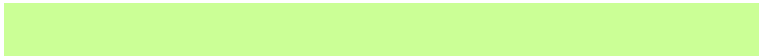
21.4041, 0.3127, 0.3290

Same Dimension

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



76.1764, 0.3350, 0.4236



86.3994, 0.3386, 0.4442



71.4718, 0.3087, 0.4317



18.0449, 0.3191, 0.3529



36.3832, 0.3367, 0.5709



3.0859, 0.3466, 0.5630

Inverse Universe

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



42.3343, 0.2822, 0.2347



41.8296, 0.2744, 0.2142



48.4488, 0.3155, 0.2436



15.6167, 0.3058, 0.3051



5.7058, 0.2023, 0.0888



0.5338, 0.2165, 0.0966

Previews

White Background



This preview shows how the Yxy color 76.1731, 0.3350, 0.4236 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 76.1731, 0.3350, 0.4236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

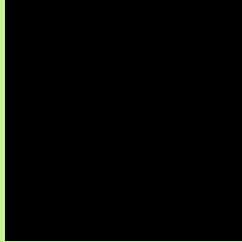
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.1731, 0.3350, 0.4236

Background



This preview shows how black text looks on a background with the Yxy color 76.1731, 0.3350, 0.4236.

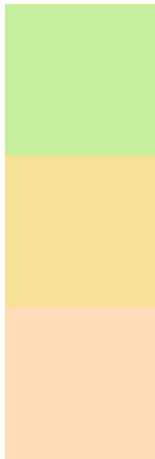


This preview shows how white text looks on a background with the Yxy color 76.1731, 0.3350, 0.4236.

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

76.1731, 0.3350, 0.4236

Protanopia

76.0396, 0.3772, 0.4072

Deuteranopia

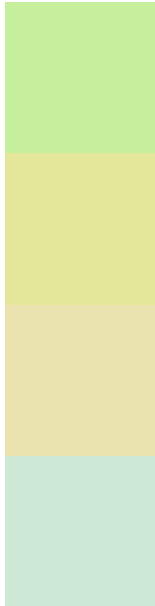
75.4682, 0.3628, 0.3629



Tritanopia

75.9895, 0.2904, 0.3097

Trichromacy



Original Color

76.1731, 0.3350, 0.4236

Protanomaly

75.9457, 0.3613, 0.4137

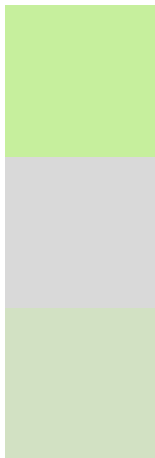
Deuteranomaly

74.9803, 0.3527, 0.3840

Tritanomaly

75.6901, 0.3064, 0.3490

Monochromacy



Original Color

76.1731, 0.3350, 0.4236

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

71.4922, 0.3217, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1731, 0.3350, 0.4236 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(198, 239, 157)` looks like.

```
.text, #text, p{  
    color:rgb(198, 239, 157)  
}
```

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(198, 239, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 239, 157) }
```

Border

The CSS property to change the border of an element to Yxy 76.1731, 0.3350, 0.4236 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(198, 239, 157) }
```

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

```
.border{ border-color:rgb(198, 239, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 239, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 239, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 239, 157); box-shadow:4px 4px 4px 4px rgb(198, 239, 157) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1731, 0.3350, 0.4236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 239, 157) }
```

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

```
.background{ background-color: rgb(198,  
239, 157) }
```

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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