

Converting Colors

$Yxy(75.8214, 0.3378, 0.4225)$

Have a look what the booklet for
Yxy(75.8214, 0.3378, 0.4225)
contains.

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Color

Yxy(75.9669, 0.3379, 0.4231)

Conversions

Conversions Part 1

Format	Color
Hex	C9EE9C
RGB	201, 238, 156
RGB Percent	79%, 93%, 61%
CMY	0.2116, 0.0667, 0.3883
CMYK	0.16, 0.00, 0.34, 0.07
HSL	87°, 71%, 77%
HSV	87°, 34%, 93%
XYZ	60.6694, 75.9669, 42.9121
YIQ	217.5890, 4.2700, -33.3460

Conversions

Conversions Part 2

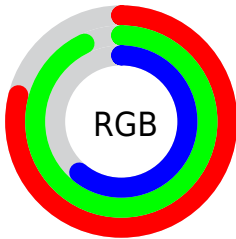
Format	Color
RYB	156, 238, 193
Decimal	13233820
CIELab	89.84, -25.72, 35.86
CIElCh	90, 44.124, 125.650
Yxy	75.9669, 0.3379, 0.4231
Android (android.graphics.Color)	4291423900 (0xFFC9EE9C)
YUV	217.5890, -30.3634, -14.5486
Hunter-Lab	87.1590, -28.2785, 31.8203

Details

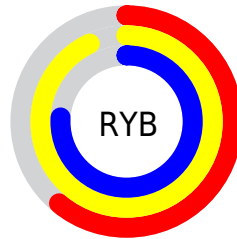
The Yxy color **75.9669, 0.3379, 0.4231** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **41.2768, 0.2788, 0.2334**, and the grayscale version is **70.0295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **40.5664, 0.3418, 0.4461** is the 20% darker color. If you saturate the color by 10%, you get **73.8060, 0.3438, 0.4526**, and if you desaturate by 10%, it is **78.3962, 0.3310, 0.3940**.

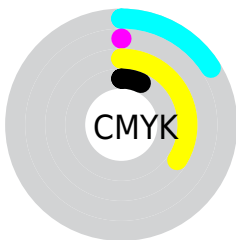
Distribution



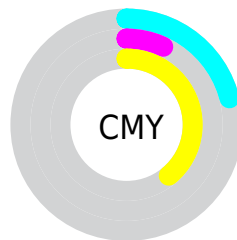
- Red (79%)
- Green (93%)
- Blue (61%)



- Red (61%)
- Yellow (93%)
- Blue (76%)



- Cyan (16%)
- Magenta (0%)
- Yellow (34%)
- Black (7%)



- Cyan (21%)
- Magenta (7%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.9669, 0.3379, 0.4231 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 75.9669, 0.3379, 0.4231 by changing the saturation by 10% instead.


 75.9669, 0.3379,
0.4231


 75.9669, 0.3379,
0.4231


481.2344, 0.3277,
0.3783

 56.4054, 0.3398,
0.4336


 127.6801, 0.3347,
0.4073

 40.5280, 0.3419,
0.4465


 160.6006, 0.3333,
0.4013

 27.9505, 0.3442,
0.4630


198.7428, 0.3321,
0.3961

 18.2883, 0.3464,
0.4846

242.4912, 0.3310,
0.3915

 11.1572, 0.3479,
0.5138

292.2302, 0.3301,
0.3876

 6.1727, 0.3469,
0.5546


348.3441, 0.3292,


 2.9504, 0.3550,


0.3841


0.6450


411.2174, 0.3284,
0.3810


 1.1059, 0.2695,
0.7305


 0.0000, 0.0000,
0.0000


 75.9669, 0.3379,
0.4231


 75.9669, 0.3379,
0.4231


 73.8060, 0.3438,
0.4526

 78.3962, 0.3310,
0.3940


 71.8923, 0.3484,
0.4814

 81.0945, 0.3236,
0.3661

 70.2165, 0.3510,
0.5079

 84.0750, 0.3161,
0.3400

 68.7649, 0.3515,
0.5308

 87.3471, 0.3086,
0.3160

■ 67.5219, 0.3496,
0.5487

■ 89.5645, 0.3133,
0.3126

■ 66.4686, 0.3454,
0.5612

■ 89.6275, 0.3135,
0.3127

■ 65.9519, 0.3425,
0.5662

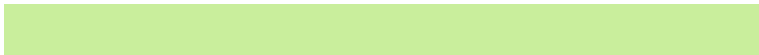
Harmonies

Analogous

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



75.9669, 0.3848, 0.4166



75.9669, 0.3379, 0.4231



75.9669, 0.2865, 0.3976

Triad

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



75.9669, 0.3379, 0.4231



75.9669, 0.2202, 0.2618



75.9669, 0.3835, 0.3063

Complementary

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



75.9669, 0.3379, 0.4231



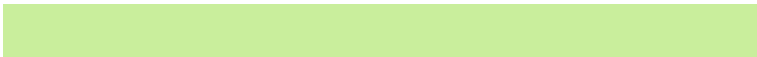
41.2768, 0.2788, 0.2334

Split Complementary

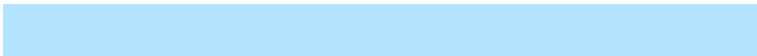
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.9669, 0.3334, 0.2723



75.9669, 0.3379, 0.4231



75.9669, 0.2410, 0.2465

Square

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



75.9669, 0.3379, 0.4231



75.9669, 0.2212, 0.2976



75.9669, 0.2811, 0.2509



75.9669, 0.4137, 0.3469

Rectangle

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



75.9669, 0.3379, 0.4231



75.9669, 0.2567, 0.3661



75.9669, 0.2811, 0.2509



75.9669, 0.3682, 0.2939

Sweetspot

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



75.9702, 0.3379, 0.4231



96.3503, 0.3203, 0.3543



58.6691, 0.3803, 0.3700



20.5190, 0.3214, 0.3580



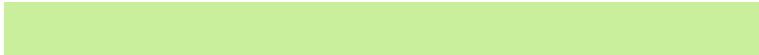
0.0000, 0.0000, 0.0000



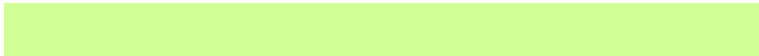
21.4041, 0.3127, 0.3290

Same Dimension

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



75.9702, 0.3379, 0.4231



87.1294, 0.3420, 0.4429



71.0302, 0.3104, 0.4316



18.0843, 0.3199, 0.3528



36.8735, 0.3436, 0.5654



3.1265, 0.3531, 0.5579

Inverse Universe

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



41.2768, 0.2788, 0.2334



41.1237, 0.2703, 0.2129



47.4212, 0.3132, 0.2426



15.5775, 0.3050, 0.3051



5.2713, 0.1931, 0.0838



0.4968, 0.2077, 0.0918

Previews

White Background



This preview shows how the Yxy color 75.9669, 0.3379, 0.4231 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 75.9669, 0.3379, 0.4231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

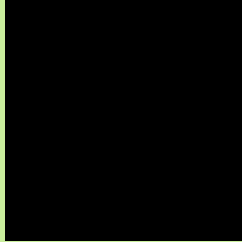
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.9669, 0.3379, 0.4231

Background



This preview shows how black text looks on a background with the Yxy color 75.9669, 0.3379, 0.4231.

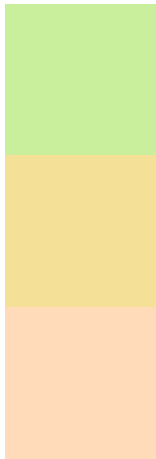


This preview shows how white text looks on a background with the Yxy color 75.9669, 0.3379, 0.4231.

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

75.9669, 0.3379, 0.4231

Protanopia

75.3179, 0.3768, 0.4065

Deuteranopia

75.4258, 0.3635, 0.3640



Tritanopia

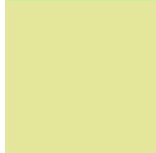
75.8269, 0.2929, 0.3098

Trichromacy



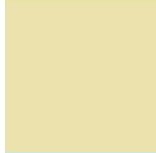
Original Color

75.9669, 0.3379, 0.4231



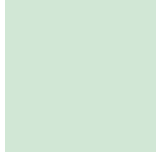
Protanomaly

75.3875, 0.3616, 0.4128



Deuteranomaly

75.1109, 0.3541, 0.3850



Tritanomaly

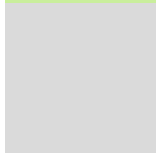
75.5112, 0.3091, 0.3490

Monochromacy



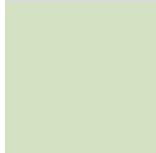
Original Color

75.9669, 0.3379, 0.4231



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

71.7876, 0.3231, 0.3629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9669, 0.3379, 0.4231 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(201, 238, 156)` looks like.

```
.text, #text, p{  
    color:rgb(201, 238, 156)  
}
```

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(201, 238, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 238, 156) }
```

Border

The CSS property to change the border of an element to Yxy 75.9669, 0.3379, 0.4231 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(201, 238, 156) }
```

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

```
.border{ border-color:rgb(201, 238, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 238, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 238, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 238, 156); box-shadow:4px 4px 4px 4px rgb(201, 238, 156) }
```


Background

The CSS property to change the background color of an element to Yxy 75.9669, 0.3379, 0.4231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 238, 156) }
```

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

```
.background{ background-color: rgb(201,  
238, 156) }
```

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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