

Converting Colors

$Y_{xy}(71.9929, 0.3533, 0.4231)$

Have a look what the booklet for
Yxy(71.9929, 0.3533, 0.4231)
contains.

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Color

Yxy(71.9628, 0.3535, 0.4234)

Conversions

Conversions Part 1

Format	Color
Hex	D3E592
RGB	211, 229, 146
RGB Percent	83%, 90%, 57%
CMY	0.1724, 0.1020, 0.4274
CMYK	0.08, 0.00, 0.36, 0.10
HSL	73°, 61%, 74%
HSV	73°, 36%, 90%
XYZ	60.0823, 71.9628, 37.9190
YIQ	214.1560, 15.9150, -29.6290

Conversions

Conversions Part 2

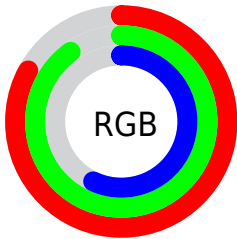
Format	Color
RYB	146, 229, 164
Decimal	13886866
CIELab	87.95, -18.95, 38.51
CIElCh	88, 42.923, 116.198
Yxy	71.9628, 0.3535, 0.4234
Android (android.graphics.Color)	4292076946 (0xFFD3E592)
YUV	214.1560, -33.6009, -2.7678
Hunter-Lab	84.8309, -22.0297, 32.8793

Details

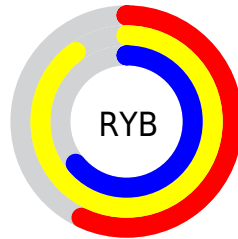
The Yxy color **71.9628, 0.3535, 0.4234** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **34.1032, 0.2606, 0.2237**, and the grayscale version is **67.5852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9970, 0.3448, 0.3820**, and **38.0488, 0.3607, 0.4474** is the 20% darker color. If you saturate the color by 10%, you get **70.6030, 0.3634, 0.4495**, and if you desaturate by 10%, it is **73.4943, 0.3426, 0.3966**.

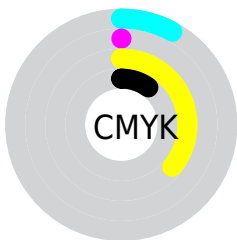
Distribution



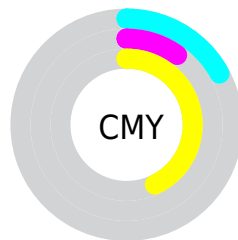
- Red (83%)
- Green (90%)
- Blue (57%)



- Red (57%)
- Yellow (90%)
- Blue (64%)



- Cyan (8%)
- Magenta (0%)
- Yellow (36%)
- Black (10%)




- Cyan (17%)
- Magenta (10%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.9628, 0.3535, 0.4234 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 71.9628, 0.3535, 0.4234 by changing the saturation by 10% instead.


 71.9628, 0.3535,
0.4234

 71.9628, 0.3535,
0.4234


467.4121, 0.3359,
0.3786

 53.1283, 0.3571,
0.4338


 122.0036, 0.3477,
0.4077

 37.9052, 0.3612,
0.4466


 153.9788, 0.3454,
0.4016

 25.9091, 0.3660,
0.4627


191.1029, 0.3433,
0.3964

 16.7557, 0.3713,
0.4837

233.7604, 0.3415,
0.3919

 10.0604, 0.3766,
0.5114

282.3356, 0.3399,
0.3879

 5.4390, 0.3813,
0.5503


337.2131, 0.3384,

 2.5071, 0.3854,


0.3844


0.6146


398.7771, 0.3371,
0.3813


 0.8802, 0.2982,
0.7018


 0.0000, 0.0000,
0.0000


 71.9628, 0.3535,
0.4234

 71.9628, 0.3535,
0.4234


 70.6030, 0.3634,
0.4495


 73.4943, 0.3426,
0.3966

 69.3964, 0.3717,
0.4737

 75.1960, 0.3312,
0.3700

 68.3366, 0.3780,
0.4951

 77.0784, 0.3198,
0.3443

 67.4127, 0.3819,
0.5124

 79.1486, 0.3085,
0.3201

66.6120, 0.3831,
0.5252

81.0538, 0.3011,
0.3028

65.9185, 0.3819,
0.5333

81.9121, 0.3044,
0.3031

65.6755, 0.3810,
0.5357

82.7941, 0.3077,
0.3034

83.7000, 0.3110,
0.3036

84.5143, 0.3139,
0.3039

Harmonies

Analogous

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



71.9628, 0.3956, 0.4084



71.9628, 0.3535, 0.4234



71.9628, 0.3025, 0.4081

Triad

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



71.9628, 0.3535, 0.4234



71.9628, 0.2190, 0.2715



71.9628, 0.3685, 0.2949

Complementary

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



71.9628, 0.3535, 0.4234



34.1032, 0.2606, 0.2237

Split Complementary

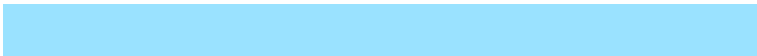
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.9628, 0.3164, 0.2645



71.9628, 0.3535, 0.4234



71.9628, 0.2329, 0.2498

Square

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



71.9628, 0.3535, 0.4234



71.9628, 0.2270, 0.3127



71.9628, 0.2671, 0.2482



71.9628, 0.4063, 0.3338

Rectangle

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



71.9628, 0.3535, 0.4234



71.9628, 0.2705, 0.3814



71.9628, 0.2671, 0.2482



71.9628, 0.3519, 0.2835

Sweetspot

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



71.9660, 0.3535, 0.4234



97.1911, 0.3253, 0.3566



44.7858, 0.3932, 0.3486



20.7331, 0.3268, 0.3601



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.



71.9660, 0.3535, 0.4234



90.6128, 0.3606, 0.4418



66.7567, 0.3242, 0.4330



16.6517, 0.3234, 0.3525



37.6075, 0.3817, 0.5352



2.8182, 0.3874, 0.5306

Inverse Universe

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



34.1032, 0.2606, 0.2237



36.0193, 0.2480, 0.2003



39.0672, 0.2947, 0.2333



14.0366, 0.3014, 0.3049



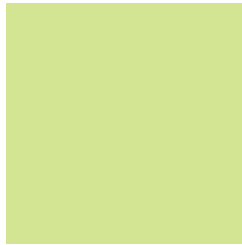
3.6579, 0.1614, 0.0663



0.3103, 0.1752, 0.0739

Previews

White Background



This preview shows how the Yxy color 71.9628, 0.3535, 0.4234 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 71.9628, 0.3535, 0.4234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

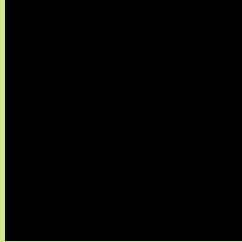
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.9628, 0.3535, 0.4234

Background



This preview shows how black text looks on a background with the Yxy color 71.9628, 0.3535, 0.4234.



This preview shows how white text looks on a background with the Yxy color 71.9628, 0.3535, 0.4234.

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

71.9628, 0.3535, 0.4234

Protanopia

71.6948, 0.3810, 0.4109

Deuteranopia

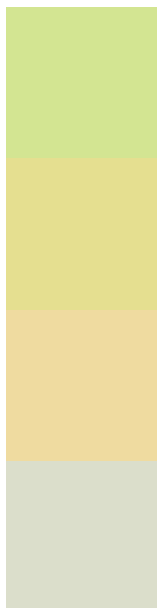
71.6757, 0.3778, 0.3755



Tritanopia

71.8289, 0.3051, 0.3108

Trichromacy



Original Color

71.9628, 0.3535, 0.4234

Protanomaly

71.4470, 0.3706, 0.4154

Deuteranomaly

71.5518, 0.3689, 0.3924

Tritanomaly

71.6144, 0.3232, 0.3501

Monochromacy



Original Color

71.9628, 0.3535, 0.4234

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.4833, 0.3286, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9628, 0.3535, 0.4234 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(211, 229, 146)` looks like.

```
.text, #text, p{  
    color:rgb(211, 229, 146)  
}
```

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(211, 229, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 229, 146) }
```

Border

The CSS property to change the border of an element to Yxy 71.9628, 0.3535, 0.4234 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(211, 229, 146) }
```

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

```
.border{ border-color:rgb(211, 229, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 229, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 229, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 229, 146);  
box-shadow:4px 4px 4px 4px rgb(211, 229,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9628, 0.3535, 0.4234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 229, 146) }
```

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

```
.background{ background-color: rgb(211,  
229, 146) }
```

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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