

Converting Colors

$Yxy(71.4930, 0.3555, 0.4367)$

Have a look what the booklet for
Yxy(71.4930, 0.3555, 0.4367)
contains.

Yxy(71.4930, 0.3555, 0.4367)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.4930, 0.3555, 0.4367)

Conversions

Conversions Part 1

Format	Color
Hex	CEE688
RGB	206, 230, 136
RGB Percent	81%, 90%, 53%
CMY	0.1920, 0.0980, 0.4667
CMYK	0.10, 0.00, 0.41, 0.10
HSL	75°, 65%, 72%
HSV	75°, 41%, 90%
XYZ	58.1996, 71.4930, 34.0193
YIQ	212.1080, 15.8700, -34.3220

Conversions

Conversions Part 2

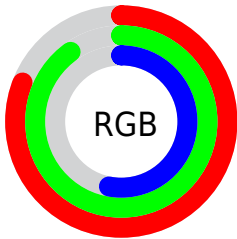
Format	Color
RYB	136, 230, 160
Decimal	13559432
CIELab	87.72, -22.50, 43.12
CIELCh	88, 48.640, 117.556
Yxy	71.4930, 0.3555, 0.4367
Android (android.graphics.Color)	4291749512 (0xFFCEE688)
YUV	212.1080, -37.5212, -5.3567
Hunter-Lab	84.5535, -25.1042, 35.3327

Details

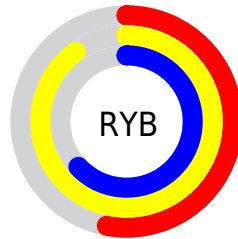
The Yxy color **71.4930, 0.3555, 0.4367** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **30.7874, 0.2553, 0.2092**, and the grayscale version is **66.1643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5416, 0.3508, 0.3919**, and **37.3962, 0.3629, 0.4630** is the 20% darker color. If you saturate the color by 10%, you get **70.0870, 0.3640, 0.4627**, and if you desaturate by 10%, it is **73.0770, 0.3457, 0.4096**.

Distribution



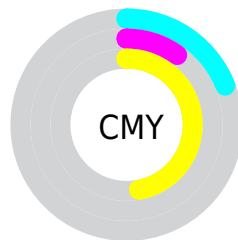
- Red (81%)
- Green (90%)
- Blue (53%)



- Red (53%)
- Yellow (90%)
- Blue (63%)



- Cyan (10%)
- Magenta (0%)
- Yellow (41%)
- Black (10%)





- Cyan (19%)
- Magenta (10%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4930, 0.3555, 0.4367 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 71.4930, 0.3555, 0.4367 by changing the saturation by 10% instead.


 71.4930, 0.3555,
0.4367


 71.4930, 0.3555,
0.4367


465.7750, 0.3375,
0.3854


 52.7446, 0.3590,
0.4486


 121.3354, 0.3497,
0.4187

 37.5989, 0.3629,
0.4632


 153.1983, 0.3473,
0.4118

 25.6716, 0.3672,
0.4816


 190.2014, 0.3452,
0.4058

 16.5781, 0.3715,
0.5051

232.7292, 0.3433,
0.4006

 9.9341, 0.3749,
0.5360

281.1661, 0.3416,
0.3961

 5.3553, 0.3795,
0.5848

335.8964, 0.3401,

 2.4572, 0.3646,

0.3921

0.6354

397.3046, 0.3387,
0.3886

0.8551, 0.2355,
0.7645

0.0000, 0.0000,
0.0000

71.4930, 0.3555,
0.4367

71.4930, 0.3555,
0.4367

70.0870, 0.3640,
0.4627

73.0770, 0.3457,
0.4096

68.8401, 0.3708,
0.4865


74.8379, 0.3352,
0.3825


67.7450, 0.3753,
0.5069


76.7871, 0.3244,
0.3561


66.7897, 0.3773,
0.5230

78.9318, 0.3136,
0.3311


 65.9600, 0.3767,
0.5343

 81.2790, 0.3032,
0.3078

 65.2910, 0.3743,
0.5410

 82.5514, 0.3047,
0.3041

 83.6013, 0.3086,
0.3044

 84.6848, 0.3125,
0.3047

 85.0729, 0.3138,
0.3048

Harmonies

Analogous

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



71.4930, 0.4042, 0.4194



71.4930, 0.3555, 0.4367



71.4930, 0.2979, 0.4183

Triad

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



71.4930, 0.3555, 0.4367



71.4930, 0.2079, 0.2620



71.4930, 0.3785, 0.2922

Complementary

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



71.4930, 0.3555, 0.4367



30.7874, 0.2553, 0.2092

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.



71.4930, 0.3192, 0.2580



71.4930, 0.3555, 0.4367



71.4930, 0.2244, 0.2394

Square

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



71.4930, 0.3555, 0.4367



71.4930, 0.2154, 0.3072



71.4930, 0.2633, 0.2391



71.4930, 0.4204, 0.3355

Rectangle

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



71.4930, 0.3555, 0.4367



71.4930, 0.2623, 0.3866



71.4930, 0.2633, 0.2391



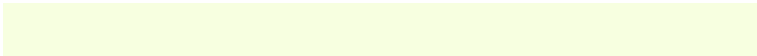
71.4930, 0.3596, 0.2795

Sweetspot

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



71.4962, 0.3555, 0.4367



96.7337, 0.3257, 0.3592



43.5655, 0.4055, 0.3565



20.6336, 0.3271, 0.3626



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.



71.4962, 0.3555, 0.4367



88.8436, 0.3628, 0.4587



65.7914, 0.3219, 0.4493



16.6226, 0.3228, 0.3525



37.0258, 0.3750, 0.5404



2.7797, 0.3817, 0.5351

Inverse Universe

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



30.7874, 0.2553, 0.2092



30.8703, 0.2404, 0.1814



36.5111, 0.2959, 0.2219



14.0638, 0.3020, 0.3050



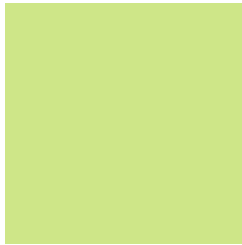
3.8040, 0.1652, 0.0684



0.3246, 0.1800, 0.0765

Previews

White Background



This preview shows how the Yxy color 71.4930, 0.3555, 0.4367 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 71.4930, 0.3555, 0.4367 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 71.4930, 0.3555, 0.4367

Background



This preview shows how black text looks on a background with the Yxy color 71.4930, 0.3555, 0.4367.



This preview shows how white text looks on a background with the Yxy color 71.4930, 0.3555, 0.4367.

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

71.4930, 0.3555, 0.4367

Protanopia

71.3776, 0.3882, 0.4218

Deuteranopia

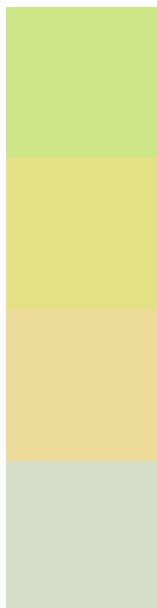
70.9913, 0.3818, 0.3797



Tritanopia

71.2010, 0.3023, 0.3107

Trichromacy



Original Color

71.4930, 0.3555, 0.4367

Protanomaly

71.4987, 0.3764, 0.4280

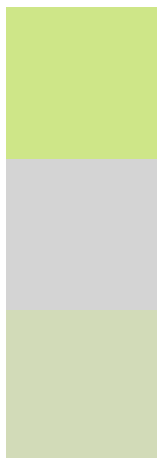
Deuteranomaly

70.9675, 0.3722, 0.4002

Tritanomaly

70.6622, 0.3222, 0.3549

Monochromacy



Original Color

71.4930, 0.3555, 0.4367

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.8254, 0.3298, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.4930, 0.3555, 0.4367 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(206, 230, 136)` looks like.

```
.text, #text, p{  
    color:rgb(206, 230, 136)  
}
```

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(206, 230, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 230, 136) }
```

Border

The CSS property to change the border of an element to Yxy 71.4930, 0.3555, 0.4367 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(206, 230, 136) }
```

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

```
.border{ border-color:rgb(206, 230, 136) }
```

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

Here you see how a box with a 4 pixel rgb(206, 230, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 230, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 230, 136);  
box-shadow:4px 4px 4px 4px rgb(206, 230,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 71.4930, 0.3555, 0.4367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 230, 136) }
```

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

```
.background{ background-color: rgb(206,  
230, 136) }
```

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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