

Converting Colors

$Y_{xy}(71.0359, 0.3791, 0.4536)$

Have a look what the booklet for
Yxy(71.0359, 0.3791, 0.4536)
contains.

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Color

Yxy(71.0359, 0.3791, 0.4536)

Conversions

Conversions Part 1

Format	Color
Hex	DAE371
RGB	218, 227, 113
RGB Percent	85%, 89%, 44%
CMY	0.1450, 0.1098, 0.5569
CMYK	0.04, 0.00, 0.50, 0.11
HSL	65°, 67%, 67%
HSV	65°, 50%, 89%
XYZ	59.3688, 71.0359, 26.2000
YIQ	211.3130, 31.2300, -37.3620

Conversions

Conversions Part 2

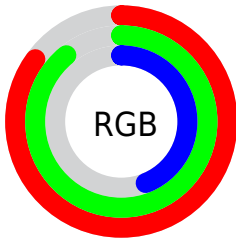
Format	Color
RYB	113, 227, 122
Decimal	14345073
CIELab	87.50, -18.72, 54.06
CIELCh	88, 57.206, 109.104
Yxy	71.0359, 0.3791, 0.4536
Android (android.graphics.Color)	4292535153 (0xFFDAE371)
YUV	211.3130, -48.4683, 5.8645
Hunter-Lab	84.2828, -21.7594, 40.5672

Details

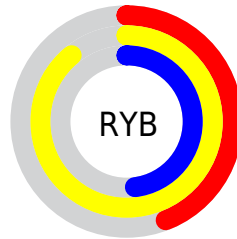
The Yxy color **71.0359, 0.3791, 0.4536** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.4875, 0.2230, 0.1724**, and the grayscale version is **65.6741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5700, 0.3649, 0.4153**, and **37.4084, 0.3902, 0.4822** is the 20% darker color. If you saturate the color by 10%, you get **70.3164, 0.3892, 0.4741**, and if you desaturate by 10%, it is **71.8927, 0.3672, 0.4303**.

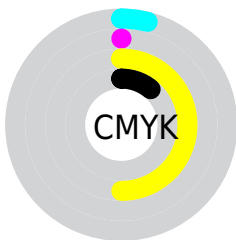
Distribution



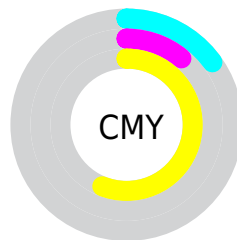
- Red (85%)
- Green (89%)
- Blue (44%)



- Red (44%)
- Yellow (89%)
- Blue (48%)



- Cyan (4%)
- Magenta (0%)
- Yellow (50%)
- Black (11%)





- Cyan (15%)
- Magenta (11%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.0359, 0.3791, 0.4536 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 71.0359, 0.3791, 0.4536 by changing the saturation by 10% instead.


 71.0359, 0.3791,
0.4536

 71.0359, 0.3791,
0.4536


464.1789, 0.3511,
0.3955


 52.3715, 0.3844,
0.4665


 120.6848, 0.3702,
0.4337

 37.3013, 0.3902,
0.4819


 152.4382, 0.3665,
0.4258

 25.4408, 0.3964,
0.5007


 189.3233, 0.3632,
0.4190

 16.4058, 0.4024,
0.5236

231.7245, 0.3602,
0.4131

 9.8118, 0.4067,
0.5516

280.0263, 0.3576,
0.4079

 5.2743, 0.4094,
0.5906

334.6130, 0.3552,

 2.4091, 0.3852,

0.4033

0.6148

395.8691, 0.3531,
0.3992

0.8306, 0.2858,
0.7142

0.0000, 0.0000,
0.0000

71.0359, 0.3791,
0.4536

71.0359, 0.3791,
0.4536

70.3164, 0.3892,
0.4741

71.8927, 0.3672,
0.4303

69.7147, 0.3970,
0.4911


72.8859, 0.3542,
0.4054

69.2229, 0.4023,
0.5037

74.0265, 0.3404,
0.3797


68.8279, 0.4049,
0.5119


75.3219, 0.3266,
0.3542

 68.5130, 0.4054,
0.5163

 76.7791, 0.3130,
0.3295

 78.4044, 0.3000,
0.3062

 79.0681, 0.2977,
0.3005

 79.3660, 0.2988,
0.3006

 79.6670, 0.3000,
0.3007

Harmonies

Analogous

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



71.0359, 0.4306, 0.4217



71.0359, 0.3791, 0.4536



71.0359, 0.3129, 0.4470

Triad

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



71.0359, 0.3791, 0.4536



71.0359, 0.1914, 0.2619



71.0359, 0.3711, 0.2736

Complementary

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



71.0359, 0.3791, 0.4536



21.4875, 0.2230, 0.1724

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.



71.0359, 0.2999, 0.2391



71.0359, 0.3791, 0.4536



71.0359, 0.2026, 0.2295

Square

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



71.0359, 0.3791, 0.4536



71.0359, 0.2072, 0.3211



71.0359, 0.2398, 0.2230



71.0359, 0.4293, 0.3205

Rectangle

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



71.0359, 0.3791, 0.4536



71.0359, 0.2696, 0.4159



71.0359, 0.2398, 0.2230



71.0359, 0.3474, 0.2603

Sweetspot

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



71.0391, 0.3791, 0.4536



97.2105, 0.3333, 0.3666



31.0972, 0.4506, 0.3381



20.7313, 0.3363, 0.3720



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.



71.0391, 0.3791, 0.4536



91.5274, 0.3893, 0.4744



63.8517, 0.3369, 0.4736



16.7565, 0.3255, 0.3523



39.9813, 0.4057, 0.5161



2.9717, 0.4078, 0.5144

Inverse Universe

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



21.4875, 0.2230, 0.1724



20.3026, 0.2023, 0.1381



26.7700, 0.2704, 0.1903



13.9411, 0.2992, 0.3048



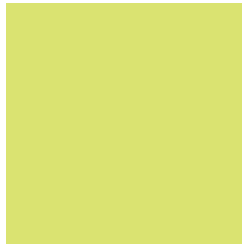
3.3282, 0.1526, 0.0614



0.2649, 0.1595, 0.0652

Previews

White Background



This preview shows how the Yxy color 71.0359, 0.3791, 0.4536 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 71.0359, 0.3791, 0.4536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

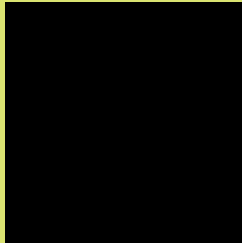
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.0359, 0.3791, 0.4536

Background



This preview shows how black text looks on a background with the Yxy color 71.0359, 0.3791, 0.4536.



This preview shows how white text looks on a background with the Yxy color 71.0359, 0.3791, 0.4536.

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

71.0359, 0.3791, 0.4536

Protanopia

70.6661, 0.4037, 0.4405

Deuteranopia

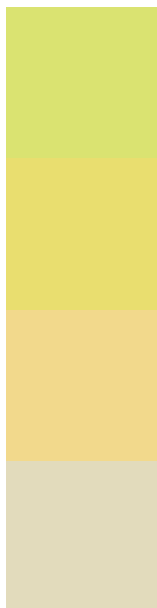
70.7473, 0.3870, 0.3868



Tritanopia

70.8516, 0.3136, 0.3110

Trichromacy



Original Color

71.0359, 0.3791, 0.4536

Protanomaly

70.7139, 0.3944, 0.4456

Deuteranomaly

70.3964, 0.3859, 0.4105

Tritanomaly

70.4626, 0.3391, 0.3633

Monochromacy



Original Color

71.0359, 0.3791, 0.4536

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

67.0170, 0.3394, 0.3773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.0359, 0.3791, 0.4536 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(218, 227, 113)` looks like.

```
.text, #text, p{  
    color:rgb(218, 227, 113)  
}
```

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(218, 227, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 227, 113) }
```

Border

The CSS property to change the border of an element to Yxy 71.0359, 0.3791, 0.4536 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(218, 227, 113) }
```

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

```
.border{ border-color:rgb(218, 227, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 227, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 227, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 227, 113);  
box-shadow:4px 4px 4px 4px rgb(218, 227,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 71.0359, 0.3791, 0.4536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 227, 113) }
```

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

```
.background{ background-color: rgb(218,  
227, 113) }
```

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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