

Converting Colors

$Yxy(70.8047, 0.3646, 0.4397)$

Have a look what the booklet for
Yxy(70.8047, 0.3646, 0.4397)
contains.

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Color

Yxy(71.0688, 0.3649, 0.4406)

Conversions

Conversions Part 1

Format	Color
Hex	D4E481
RGB	212, 228, 129
RGB Percent	83%, 89%, 51%
CMY	0.1686, 0.1059, 0.4942
CMYK	0.07, 0.00, 0.43, 0.11
HSL	70°, 65%, 70%
HSV	70°, 43%, 89%
XYZ	58.8584, 71.0688, 31.3729
YIQ	211.9300, 22.2430, -34.1810

Conversions

Conversions Part 2

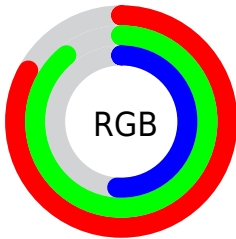
Format	Color
R_{YB}	129, 228, 145
Decimal	13952129
CIE _{Lab}	87.52, -20.02, 46.38
CIE _{LCh}	88, 50.519, 113.346
Yxy	71.0688, 0.3649, 0.4406
Android (android.graphics.Color)	4292142209 (0xFFD4E481)
YUV	211.9300, -40.8845, 0.0614
Hunter-Lab	84.3023, -22.9035, 36.9470

Details

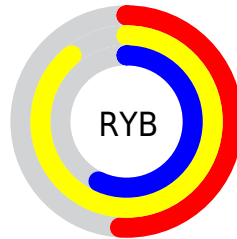
The Yxy color **71.0688, 0.3649, 0.4406** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.3103, 0.2434, 0.1983**, and the grayscale version is **66.0564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1989, 0.3556, 0.3998**, and **37.4909, 0.3742, 0.4677** is the 20% darker color. If you saturate the color by 10%, you get **69.9910, 0.3747, 0.4645**, and if you desaturate by 10%, it is **72.3007, 0.3537, 0.4150**.

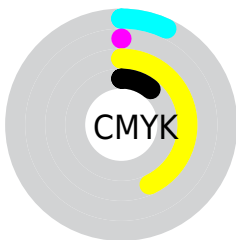
Distribution



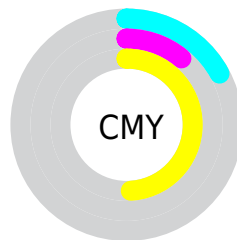
- Red (83%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (57%)



- Cyan (7%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)





- Cyan (17%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.0688, 0.3649, 0.4406 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 71.0688, 0.3649, 0.4406 by changing the saturation by 10% instead.


 71.0688, 0.3649,
0.4406


 71.0688, 0.3649,
0.4406


464.2939, 0.3427,
0.3878


 52.3983, 0.3692,
0.4526


 120.7317, 0.3577,
0.4222

 37.3227, 0.3741,
0.4673


 152.4929, 0.3548,
0.4151

 25.4574, 0.3795,
0.4857


 189.3865, 0.3522,
0.4089

 16.4182, 0.3851,
0.5088

231.7969, 0.3498,
0.4036

 9.8206, 0.3896,
0.5383

280.1084, 0.3478,
0.3989

 5.2801, 0.4005,
0.5912

334.7055, 0.3459,

 2.4126, 0.3779,

0.3948

0.6221

395.9725, 0.3442,
0.3911

0.8323, 0.2665,
0.7335

0.0000, 0.0000,
0.0000

71.0688, 0.3649,
0.4406

71.0688, 0.3649,
0.4406

69.9910, 0.3747,
0.4645

72.3007, 0.3537,
0.4150

69.0486, 0.3826,
0.4857


73.6855, 0.3416,
0.3886

68.2343, 0.3882,
0.5031


75.2341, 0.3292,
0.3625


67.5365, 0.3911,
0.5160


76.9536, 0.3169,
0.3374


 66.9406, 0.3915,
0.5244


 78.8507, 0.3049,
0.3135

 66.5898, 0.3907,
0.5280

 80.2184, 0.3000,
0.3017

 80.8483, 0.3024,
0.3019

 81.4913, 0.3049,
0.3021

 82.1474, 0.3073,
0.3023

Harmonies

Analogous

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



71.0688, 0.4131, 0.4179



71.0688, 0.3649, 0.4406



71.0688, 0.3054, 0.4275

Triad

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



71.0688, 0.3649, 0.4406



71.0688, 0.2037, 0.2644



71.0688, 0.3730, 0.2851

Complementary

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



71.0688, 0.3649, 0.4406



27.3103, 0.2434, 0.1983

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.



71.0688, 0.3105, 0.2517



71.0688, 0.3649, 0.4406



71.0688, 0.2174, 0.2379

Square

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



71.0688, 0.3649, 0.4406



71.0688, 0.2149, 0.3143



71.0688, 0.2544, 0.2347



71.0688, 0.4205, 0.3289

Rectangle

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



71.0688, 0.3649, 0.4406



71.0688, 0.2674, 0.3971



71.0688, 0.2544, 0.2347



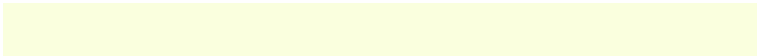
71.0688, 0.3527, 0.2724

Sweetspot

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



71.0720, 0.3649, 0.4406



97.0448, 0.3288, 0.3616



37.9722, 0.4190, 0.3466



20.6723, 0.3315, 0.3674



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.



71.0720, 0.3649, 0.4406



90.3583, 0.3737, 0.4620



64.9263, 0.3290, 0.4550



16.6932, 0.3243, 0.3524



38.4938, 0.3912, 0.5276



2.8762, 0.3955, 0.5242

Inverse Universe

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



27.3103, 0.2434, 0.1983



27.1497, 0.2260, 0.1680



32.6766, 0.2853, 0.2122



13.9984, 0.3005, 0.3049



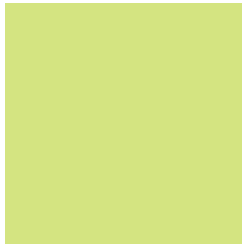
3.4931, 0.1570, 0.0639



0.2922, 0.1691, 0.0705

Previews

White Background



This preview shows how the Yxy color 71.0688, 0.3649, 0.4406 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 71.0688, 0.3649, 0.4406 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 71.0688, 0.3649, 0.4406

Background



This preview shows how black text looks on a background with the Yxy color 71.0688, 0.3649, 0.4406.



This preview shows how white text looks on a background with the Yxy color 71.0688, 0.3649, 0.4406.

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

71.0688, 0.3649, 0.4406

Protanopia

70.6947, 0.3925, 0.4267

Deuteranopia

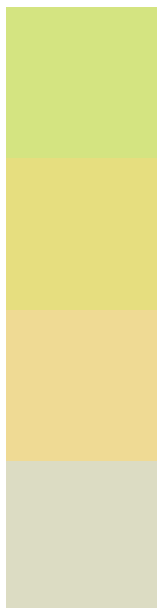
70.8502, 0.3848, 0.3838



Tritanopia

70.8422, 0.3071, 0.3108

Trichromacy



Original Color

71.0688, 0.3649, 0.4406

Protanomaly

70.5979, 0.3826, 0.4316

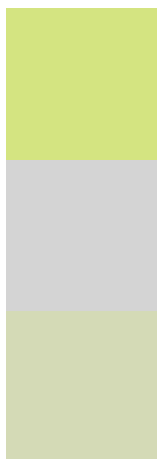
Deuteranomaly

70.6316, 0.3776, 0.4040

Tritanomaly

70.3422, 0.3296, 0.3569

Monochromacy



Original Color

71.0688, 0.3649, 0.4406

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.5173, 0.3328, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.0688, 0.3649, 0.4406 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(212, 228, 129)` looks like.

```
.text, #text, p{  
    color:rgb(212, 228, 129)  
}
```

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(212, 228, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 228, 129) }
```

Border

The CSS property to change the border of an element to Yxy 71.0688, 0.3649, 0.4406 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(212, 228, 129) }
```

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

```
.border{ border-color:rgb(212, 228, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 228, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 228, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 228, 129);  
box-shadow:4px 4px 4px 4px rgb(212, 228,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 71.0688, 0.3649, 0.4406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 228, 129) }
```

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

```
.background{ background-color: rgb(212,  
228, 129) }
```

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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