

Converting Colors

$Yxy(74.5027, 0.3768, 0.4648)$

Have a look what the booklet for
Yxy(74.5027, 0.3768, 0.4648)
contains.

Yxy(74.5273, 0.3769, 0.4647)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(74.5273, 0.3769, 0.4647)

Conversions

Conversions Part 1

Format	Color
Hex	D8EA6C
RGB	216, 234, 108
RGB Percent	85%, 92%, 42%
CMY	0.1530, 0.0823, 0.5762
CMYK	0.08, 0.00, 0.54, 0.08
HSL	69°, 75%, 67%
HSV	69°, 54%, 92%
XYZ	60.4462, 74.5273, 25.4038
YIQ	214.2540, 29.7180, -43.0020

Conversions

Conversions Part 2

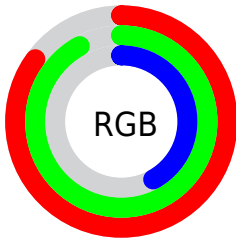
Format	Color
RYB	108, 234, 126
Decimal	14215788
CIELab	89.17, -23.35, 58.21
CIELCh	89, 62.713, 111.855
Yxy	74.5273, 0.3769, 0.4647
Android (android.graphics.Color)	4292405868 (0xFFD8EA6C)
YUV	214.2540, -52.3832, 1.5312
Hunter-Lab	86.3292, -26.0935, 42.9834

Details

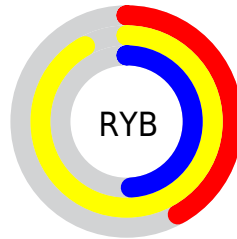
The Yxy color **74.5273, 0.3769, 0.4647** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.1228, 0.2212, 0.1620**, and the grayscale version is **67.7735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4243, 0.3672, 0.4191**, and **39.4781, 0.3868, 0.4944** is the 20% darker color. If you saturate the color by 10%, you get **73.5921, 0.3850, 0.4853**, and if you desaturate by 10%, it is **75.6134, 0.3668, 0.4412**.

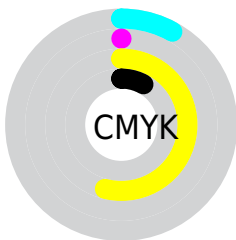
Distribution



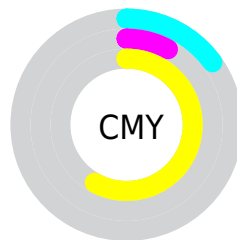
- Red (85%)
- Green (92%)
- Blue (42%)



- Red (42%)
- Yellow (92%)
- Blue (49%)



- Cyan (8%)
- Magenta (0%)
- Yellow (54%)
- Black (8%)





- Cyan (15%)
- Magenta (8%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.5273, 0.3769, 0.4647 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 74.5273, 0.3769, 0.4647 by changing the saturation by 10% instead.


 74.5273, 0.3769,
0.4647

 74.5273, 0.3769,
0.4647


476.2913, 0.3509,
0.4017

 55.2257, 0.3815,
0.4785

 125.6430, 0.3689,
0.4432


 39.5825, 0.3864,
0.4951

 158.2259, 0.3655,
0.4347

 27.2132, 0.3912,
0.5151


 196.0048, 0.3624,
0.4273

 17.7334, 0.3951,
0.5392

 239.3639, 0.3596,
0.4209

 10.7587, 0.3966,
0.5689

288.6877, 0.3571,
0.4152

 5.9048, 0.3932,
0.6068

344.3606, 0.3548,

 2.7873, 0.3653,

0.4102

0.6347

406.7670, 0.3528,
0.4057

■ 1.0217, 0.2789,
0.7211

■ 0.0000, 0.0000,
0.0000

■ 74.5273, 0.3769,
0.4647

■ 74.5273, 0.3769,
0.4647

■ 73.5921, 0.3850,
0.4853

■ 75.6134, 0.3668,
0.4412

■ 72.7865, 0.3908,
0.5021


■ 76.8501, 0.3552,
0.4158


■ 72.1014, 0.3939,
0.5145

■ 78.2496, 0.3429,
0.3896


■ 71.5211, 0.3945,
0.5223

■ 79.8202, 0.3301,
0.3635

 71.2001, 0.3939,
0.5254

 81.5693, 0.3175,
0.3383

 83.5043, 0.3052,
0.3144

 84.4969, 0.3034,
0.3081

 85.0869, 0.3056,
0.3082

 85.6878, 0.3078,
0.3084

Harmonies

Analogous

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



74.5273, 0.4348, 0.4316



74.5273, 0.3769, 0.4647



74.5273, 0.3055, 0.4541

Triad

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



74.5273, 0.3769, 0.4647



74.5273, 0.1832, 0.2520



74.5273, 0.3823, 0.2737

Complementary

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



74.5273, 0.3769, 0.4647



21.1228, 0.2212, 0.1620

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.



74.5273, 0.3054, 0.2357



74.5273, 0.3769, 0.4647



74.5273, 0.1977, 0.2208

Square

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



74.5273, 0.3769, 0.4647



74.5273, 0.1970, 0.3130



74.5273, 0.2394, 0.2167



74.5273, 0.4426, 0.3241

Rectangle

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



74.5273, 0.3769, 0.4647



74.5273, 0.2599, 0.4173



74.5273, 0.2394, 0.2167



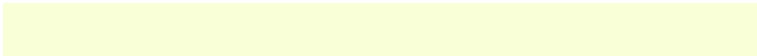
74.5273, 0.3570, 0.2593

Sweetspot

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



74.5307, 0.3769, 0.4647



96.5541, 0.3330, 0.3694



33.2093, 0.4605, 0.3479



20.5805, 0.3356, 0.3747



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.



74.5307, 0.3769, 0.4647



89.2791, 0.3861, 0.4881



66.8293, 0.3321, 0.4876



17.5113, 0.3246, 0.3524



40.0493, 0.3943, 0.5251



3.1748, 0.3980, 0.5222

Inverse Universe

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



21.1228, 0.2212, 0.1620



17.9159, 0.1991, 0.1253



27.3496, 0.2742, 0.1833



14.6524, 0.3002, 0.3048



3.5568, 0.1558, 0.0632



0.3116, 0.1663, 0.0690

Previews

White Background



This preview shows how the Yxy color 74.5273, 0.3769, 0.4647 looks on a white background.

Color Contrast Check

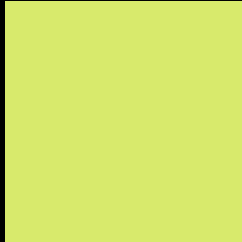
Large Text (above 18pt) WCAG AA × Fail

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 74.5273, 0.3769, 0.4647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

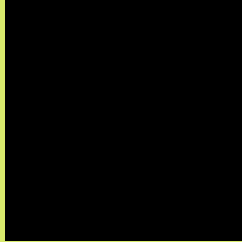
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.5273, 0.3769, 0.4647

Background



This preview shows how black text looks on a background with the Yxy color 74.5273, 0.3769, 0.4647.



This preview shows how white text looks on a background with the Yxy color 74.5273, 0.3769, 0.4647.

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

74.5273, 0.3769, 0.4647

Protanopia

74.2877, 0.4083, 0.4466

Deuteranopia

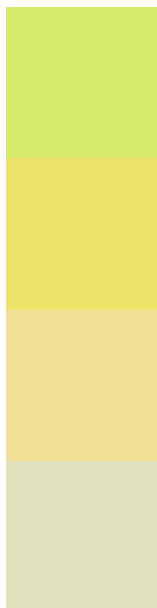
74.3051, 0.3746, 0.3784



Tritanopia

74.1238, 0.3086, 0.3112

Trichromacy



Original Color

74.5273, 0.3769, 0.4647

Protanomaly

74.3603, 0.3963, 0.4538

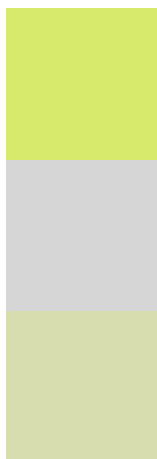
Deuteranomaly

74.1187, 0.3776, 0.4103

Tritanomaly

73.5757, 0.3360, 0.3675

Monochromacy



Original Color

74.5273, 0.3769, 0.4647

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

69.2551, 0.3394, 0.3815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.5273, 0.3769, 0.4647 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(216, 234, 108)` looks like.

```
.text, #text, p{  
    color:rgb(216, 234, 108)  
}
```

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(216, 234, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 234, 108) }
```

Border

The CSS property to change the border of an element to Yxy 74.5273, 0.3769, 0.4647 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(216, 234, 108) }
```

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

```
.border{ border-color:rgb(216, 234, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 234, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 234, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 234, 108);  
box-shadow:4px 4px 4px 4px rgb(216, 234,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 74.5273, 0.3769, 0.4647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 234, 108) }
```

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

```
.background{ background-color: rgb(216,  
234, 108) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor