

Converting Colors

$Y_{xy}(73.8254, 0.3729, 0.4700)$

Have a look what the booklet for
Yxy(73.8254, 0.3729, 0.4700)
contains.

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Color

Yxy(74.0126, 0.3722, 0.4701)

Conversions

Conversions Part 1

Format	Color
Hex	D1EB6A
RGB	209, 235, 106
RGB Percent	82%, 92%, 42%
CMY	0.1805, 0.0784, 0.5844
CMYK	0.11, 0.00, 0.55, 0.08
HSL	72°, 76%, 67%
HSV	72°, 55%, 92%
XYZ	58.5992, 74.0126, 24.8283
YIQ	212.5200, 25.9130, -45.6310

Conversions

Conversions Part 2

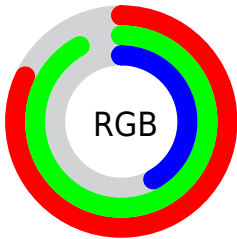
Format	Color
RYB	106, 235, 132
Decimal	13757290
CIELab	88.93, -26.72, 58.72
CIELCh	89, 64.519, 114.469
Yxy	74.0126, 0.3722, 0.4701
Android (android.graphics.Color)	4291947370 (0xFFD1EB6A)
YUV	212.5200, -52.5144, -3.0870
Hunter-Lab	86.0306, -28.9693, 43.1104

Details

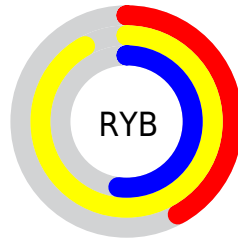
The Yxy color **74.0126, 0.3722, 0.4701** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **21.2112, 0.2247, 0.1607**, and the grayscale version is **66.5451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3532, 0.3683, 0.4210**, and **39.1546, 0.3806, 0.5023** is the 20% darker color. If you saturate the color by 10%, you get **72.9109, 0.3790, 0.4916**, and if you desaturate by 10%, it is **75.2755, 0.3633, 0.4458**.

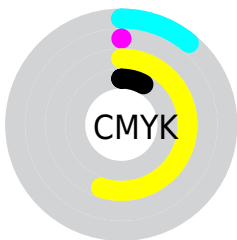
Distribution



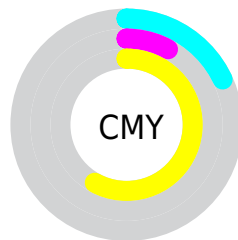
- Red (82%)
- Green (92%)
- Blue (42%)



- Red (42%)
- Yellow (92%)
- Blue (52%)



- Cyan (11%)
- Magenta (0%)
- Yellow (55%)
- Black (8%)





- Cyan (18%)
- Magenta (8%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.0126, 0.3722, 0.4701 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 74.0126, 0.3722, 0.4701 by changing the saturation by 10% instead.


 74.0126, 0.3722,
0.4701

 74.0126, 0.3722,
0.4701


474.5169, 0.3486,
0.4041

 54.8044, 0.3762,
0.4847


 124.9137, 0.3651,
0.4475


 39.2451, 0.3803,
0.5022


 157.3753, 0.3620,
0.4385

 26.9505, 0.3840,
0.5235


 195.0235, 0.3592,
0.4308

 17.5360, 0.3864,
0.5493

 238.2426, 0.3566,
0.4241

 10.6174, 0.3861,
0.5818

287.4171, 0.3543,
0.4182

 5.8102, 0.3784,
0.6216


342.9314, 0.3522,

 2.7300, 0.3459,

0.4130


0.6541


405.1699, 0.3503,
0.4083


 0.9925, 0.2244,
0.7756


 0.0000, 0.0000,
0.0000

 74.0126, 0.3722,
0.4701


 74.0126, 0.3722,
0.4701

 72.9109, 0.3790,
0.4916


 75.2755, 0.3633,
0.4458


 71.9490, 0.3835,
0.5092


 76.6997, 0.3530,
0.4197


 71.1169, 0.3853,
0.5223


 78.2978, 0.3418,
0.3930


 70.3986, 0.3846,
0.5307


 80.0782, 0.3301,
0.3665

 70.0633, 0.3835,
0.5337

 82.0488, 0.3184,
0.3410

 84.2169, 0.3070,
0.3169

 85.5510, 0.3052,
0.3092

 86.4017, 0.3083,
0.3094

 87.2744, 0.3114,
0.3096

Harmonies

Analogous

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



74.0126, 0.4338, 0.4381



74.0126, 0.3722, 0.4701



74.0126, 0.2985, 0.4548

Triad

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



74.0126, 0.3722, 0.4701



74.0126, 0.1801, 0.2456



74.0126, 0.3910, 0.2762

Complementary

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



74.0126, 0.3722, 0.4701



21.2112, 0.2247, 0.1607

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.



74.0126, 0.3119, 0.2360



74.0126, 0.3722, 0.4701



74.0126, 0.1973, 0.2164

Square

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



74.0126, 0.3722, 0.4701



74.0126, 0.1914, 0.3056



74.0126, 0.2423, 0.2146



74.0126, 0.4502, 0.3284

Rectangle

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



74.0126, 0.3722, 0.4701



74.0126, 0.2525, 0.4140



74.0126, 0.2423, 0.2146



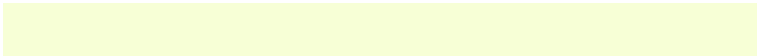
74.0126, 0.3652, 0.2611

Sweetspot

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



74.0159, 0.3722, 0.4701



96.1172, 0.3314, 0.3696



35.1505, 0.4588, 0.3577



20.4754, 0.3339, 0.3750



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.



74.0159, 0.3722, 0.4701



87.5821, 0.3798, 0.4943



66.4557, 0.3266, 0.4940



17.4646, 0.3237, 0.3525



39.0443, 0.3841, 0.5332



3.1047, 0.3892, 0.5291

Inverse Universe

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



21.2112, 0.2247, 0.1607



18.0282, 0.2035, 0.1253



28.0807, 0.2813, 0.1837



14.6953, 0.3011, 0.3049



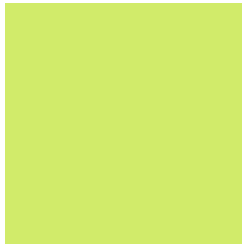
3.7229, 0.1601, 0.0655



0.3320, 0.1727, 0.0725

Previews

White Background



This preview shows how the Yxy color 74.0126, 0.3722, 0.4701 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 74.0126, 0.3722, 0.4701 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 74.0126, 0.3722, 0.4701

Background



This preview shows how black text looks on a background with the Yxy color 74.0126, 0.3722, 0.4701.



This preview shows how white text looks on a background with the Yxy color 74.0126, 0.3722, 0.4701.

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

74.0126, 0.3722, 0.4701

Protanopia

73.5088, 0.4097, 0.4486

Deuteranopia

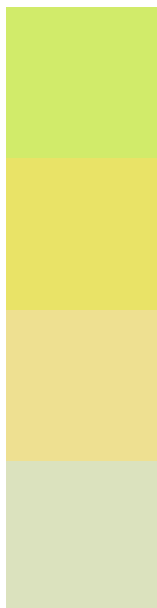
73.7129, 0.3764, 0.3795



Tritanopia

73.7332, 0.3038, 0.3110

Trichromacy



Original Color

74.0126, 0.3722, 0.4701

Protanomaly

73.2411, 0.3961, 0.4567

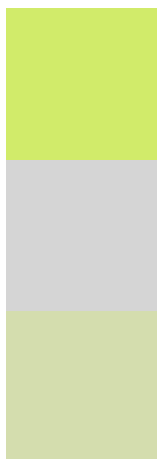
Deuteranomaly

73.5328, 0.3765, 0.4131

Tritanomaly

73.1705, 0.3314, 0.3691

Monochromacy



Original Color

74.0126, 0.3722, 0.4701

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

68.7659, 0.3378, 0.3830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.0126, 0.3722, 0.4701 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(209, 235, 106)` looks like.

```
.text, #text, p{  
    color:rgb(209, 235, 106)  
}
```

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(209, 235, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 235, 106) }
```

Border

The CSS property to change the border of an element to Yxy 74.0126, 0.3722, 0.4701 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(209, 235, 106) }
```

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

```
.border{ border-color:rgb(209, 235, 106) }
```

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

Here you see how a box with a 4 pixel rgb(209, 235, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 235, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 235, 106);  
box-shadow:4px 4px 4px 4px rgb(209, 235,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 74.0126, 0.3722, 0.4701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 235, 106) }
```

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

```
.background{ background-color: rgb(209,  
235, 106) }
```

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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