

Converting Colors

$Y_{xy}(74.1402, 0.3783, 0.5259)$

Have a look what the booklet for
Yxy(74.1402, 0.3783, 0.5259)
contains.

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Color

Yxy(74.1402, 0.3783, 0.5259)

Conversions

Conversions Part 1

Format	Color
Hex	BFF128
RGB	191, 241, 40
RGB Percent	75%, 95%, 16%
CMY	0.2508, 0.0549, 0.8432
CMYK	0.21, 0.00, 0.83, 0.05
HSL	75°, 88%, 55%
HSV	75°, 83%, 95%
XYZ	53.3319, 74.1402, 13.5057
YIQ	203.1360, 34.7210, -73.1110

Conversions

Conversions Part 2

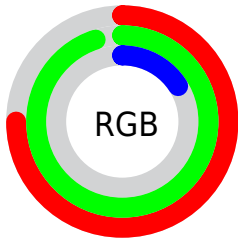
Format	Color
RYB	40, 241, 90
Decimal	12579112
CIELab	88.99, -40.14, 81.27
CIELCh	89, 90.643, 116.283
Yxy	74.1402, 0.3783, 0.5259
Android (android.graphics.Color)	4290769192 (0xFFBFF128)
YUV	203.1360, -80.4260, -10.6433
Hunter-Lab	86.1047, -40.1232, 50.9736

Details

The Yxy color **74.1402, 0.3783, 0.5259** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **10.0391, 0.1814, 0.0873**, and the grayscale version is **60.3163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0698, 0.3933, 0.4684**, and **39.6035, 0.3695, 0.5448** is the 20% darker color. If you saturate the color by 10%, you get **73.2665, 0.3771, 0.5358**, and if you desaturate by 10%, it is **75.1544, 0.3769, 0.5112**.

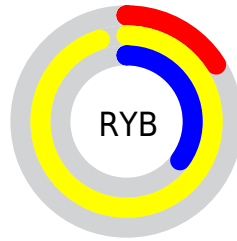
Distribution



Red (75%)

Green (95%)

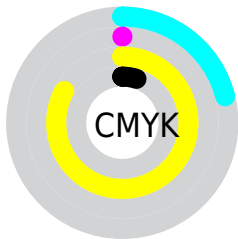
Blue (16%)



Red (16%)

Yellow (95%)

Blue (35%)

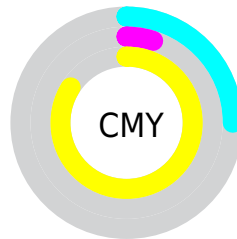


Cyan (21%)

Magenta (0%)

Yellow (83%)

Black (5%)



Cyan (25%)


Magenta (5%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.1402, 0.3783, 0.5259 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 74.1402, 0.3783, 0.5259 by changing the saturation by 10% instead.

 74.1402, 0.3783,
0.5259


 74.1402, 0.3783,
0.5259


474.9571, 0.3575,
0.4357


 54.9088, 0.3797,
0.5445

 125.0945, 0.3736,
0.4959

 39.3287, 0.3797,
0.5659


 157.5862, 0.3711,
0.4838

 27.0155, 0.3769,
0.5902


 195.2669, 0.3685,
0.4731

 17.5849, 0.3711,
0.6210

 238.5208, 0.3660,
0.4638

 10.6524, 0.3527,
0.6473

 287.7323, 0.3637,
0.4555

 5.8336, 0.3216,
0.6784

343.2860, 0.3615,

 2.7442, 0.2731,

0.4482

0.7269

405.5661, 0.3595,
0.4416

■ 0.9997, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 74.1402, 0.3783,
0.5259

■ 74.1402, 0.3783,
0.5259

■ 73.2665, 0.3771,
0.5358


■ 75.1544, 0.3769,
0.5112


■ 72.7446, 0.3753,
0.5402


■ 76.3158, 0.3730,
0.4919


■ 77.6418, 0.3666,
0.4690


■ 79.1444, 0.3584,
0.4435

 80.8344, 0.3487,
0.4166

 82.7216, 0.3382,
0.3894

 84.8151, 0.3273,
0.3628

 87.1233, 0.3164,
0.3373

 89.5315, 0.3069,
0.3153

Harmonies

Analogous

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



74.1402, 0.4651, 0.4707



74.1402, 0.3783, 0.5259



74.1402, 0.2807, 0.5102

Triad

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



74.1402, 0.3783, 0.5259



74.1402, 0.1401, 0.2100



74.1402, 0.4276, 0.2604

Complementary

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



74.1402, 0.3783, 0.5259



10.0391, 0.1814, 0.0873

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.



74.1402, 0.3156, 0.2091



74.1402, 0.3783, 0.5259



74.1402, 0.1636, 0.1790

Square

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



74.1402, 0.3783, 0.5259



74.1402, 0.1495, 0.2849



74.1402, 0.2214, 0.1805



74.1402, 0.5076, 0.3254

Rectangle

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



74.1402, 0.3783, 0.5259



74.1402, 0.2215, 0.4461



74.1402, 0.2214, 0.1805



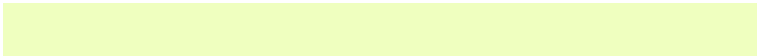
74.1402, 0.3909, 0.2413

Sweetspot

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



74.1435, 0.3783, 0.5259



93.6705, 0.3400, 0.3940



25.6529, 0.5677, 0.3636



19.8848, 0.3437, 0.4035



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.



74.1435, 0.3783, 0.5259



82.6776, 0.3752, 0.5403



65.4201, 0.3179, 0.5711



18.2497, 0.3230, 0.3526



39.5157, 0.3760, 0.5396



3.3336, 0.3820, 0.5349

Inverse Universe

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



10.0391, 0.1814, 0.0873



8.2892, 0.1629, 0.0671



18.4828, 0.2649, 0.1315



15.4185, 0.3018, 0.3049



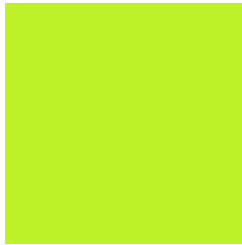
4.0162, 0.1644, 0.0679



0.3794, 0.1773, 0.0750

Previews

White Background



This preview shows how the Yxy color 74.1402, 0.3783, 0.5259 looks on a white background.

Color Contrast Check

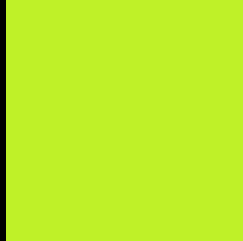
Large Text (above 18pt) WCAG AA × Fail

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 74.1402, 0.3783, 0.5259 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 74.1402, 0.3783, 0.5259

Background



This preview shows how black text looks on a background with the Yxy color 74.1402, 0.3783, 0.5259.



This preview shows how white text looks on a background with the Yxy color 74.1402, 0.3783, 0.5259.

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

74.1402, 0.3783, 0.5259

Protanopia

73.4059, 0.4369, 0.4825

Deuteranopia

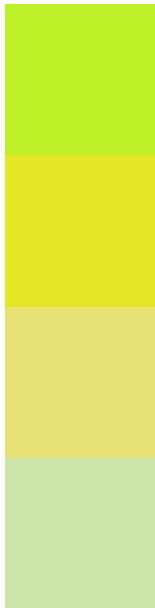
73.4943, 0.3807, 0.3856



Tritanopia

73.5710, 0.2926, 0.3096

Trichromacy



Original Color

74.1402, 0.3783, 0.5259

Protanomaly

73.3852, 0.4145, 0.4991

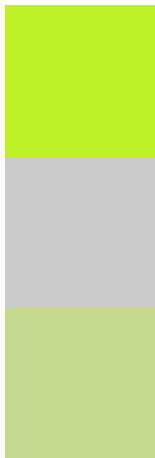
Deuteranomaly

72.8565, 0.3876, 0.4430

Tritanomaly

72.2956, 0.3335, 0.3995

Monochromacy



Original Color

74.1402, 0.3783, 0.5259

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

63.7814, 0.3489, 0.4167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.1402, 0.3783, 0.5259 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(191, 241, 40)` looks like.

```
.text, #text, p{  
    color:rgb(191, 241, 40)  
}
```

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(191, 241, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 241, 40) }
```

Border

The CSS property to change the border of an element to Yxy 74.1402, 0.3783, 0.5259 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(191, 241, 40) }
```

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

```
.border{ border-color:rgb(191, 241, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 241, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 241, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 241, 40);  
box-shadow:4px 4px 4px 4px rgb(191, 241,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 74.1402, 0.3783, 0.5259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 241, 40) }
```

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

```
.background{ background-color: rgb(191,  
241, 40) }
```

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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