

Converting Colors

$Y_{xy}(69.1047, 0.3739, 0.5015)$

Have a look what the booklet for
Yxy(69.1047, 0.3739, 0.5015)
contains.

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Color

Yxy(69.2840, 0.3738, 0.5021)

Conversions

Conversions Part 1

Format	Color
Hex	BF E8 4A
RGB	191, 232, 74
RGB Percent	75%, 91%, 29%
CMY	0.2509, 0.0902, 0.7100
CMYK	0.18, 0.00, 0.68, 0.09
HSL	76°, 77%, 60%
HSV	76°, 68%, 91%
XYZ	51.5801, 69.2840, 17.1244
YIQ	201.7290, 26.2820, -57.8300

Conversions

Conversions Part 2

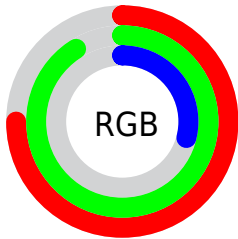
Format	Color
RYB	74, 232, 115
Decimal	12576842
CIELab	86.64, -34.60, 69.02
CIElCh	87, 77.203, 116.625
Yxy	69.2840, 0.3738, 0.5021
Android (android.graphics.Color)	4290766922 (0xFFBFE84A)
YUV	201.7290, -62.9704, -9.4093
Hunter-Lab	83.2370, -35.0524, 46.0682

Details

The Yxy color **69.2840, 0.3738, 0.5021** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **14.3590, 0.2070, 0.1235**, and the grayscale version is **59.2731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4827, 0.3810, 0.4492**, and **36.1190, 0.3778, 0.5382** is the 20% darker color. If you saturate the color by 10%, you get **68.2659, 0.3764, 0.5195**, and if you desaturate by 10%, it is **70.4556, 0.3687, 0.4806**.

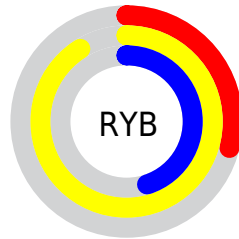
Distribution



Red (75%)

Green (91%)

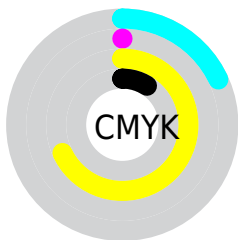
Blue (29%)



Red (29%)

Yellow (91%)

Blue (45%)

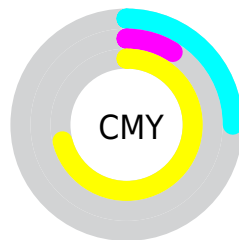


Cyan (18%)

Magenta (0%)

Yellow (68%)

Black (9%)



Cyan (25%)


Magenta (9%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.2840, 0.3738, 0.5021 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 69.2840, 0.3738, 0.5021 by changing the saturation by 10% instead.


 69.2840, 0.3738,
0.5021


 69.2840, 0.3738,
0.5021


458.0320, 0.3518,
0.4205

 50.9430, 0.3765,
0.5198


 118.1871, 0.3679,
0.4742

 36.1633, 0.3784,
0.5409


 149.5181, 0.3651,
0.4632

 24.5603, 0.3785,
0.5658


 185.9478, 0.3624,
0.4537

 15.7498, 0.3748,
0.5950

 227.8607, 0.3600,
0.4453

 9.3473, 0.3665,
0.6335

 275.6412, 0.3577,
0.4380

 4.9684, 0.3371,
0.6629

329.6736, 0.3555,

 2.2287, 0.2896,

0.4315

0.7104

390.3424, 0.3536,
0.4257

0.7356, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

69.2840, 0.3738,
0.5021

69.2840, 0.3738,
0.5021

68.2659, 0.3764,
0.5195

70.4556, 0.3687,
0.4806

67.3782, 0.3764,
0.5323


71.7830, 0.3615,
0.4560


66.6047, 0.3741,
0.5403

73.2799, 0.3526,
0.4295


66.4670, 0.3735,
0.5416

74.9555, 0.3427,
0.4022

 76.8185, 0.3321,
0.3752

 78.8768, 0.3213,
0.3491

 81.1378, 0.3108,
0.3245

 83.3117, 0.3033,
0.3061

 84.3773, 0.3072,
0.3063

Harmonies

Analogous

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



69.2840, 0.4504, 0.4596



69.2840, 0.3738, 0.5021



69.2840, 0.2862, 0.4830

Triad

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



69.2840, 0.3738, 0.5021



69.2840, 0.1572, 0.2239



69.2840, 0.4143, 0.2693

Complementary

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



69.2840, 0.3738, 0.5021



14.3590, 0.2070, 0.1235

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.



69.2840, 0.3173, 0.2220



69.2840, 0.3738, 0.5021



69.2840, 0.1792, 0.1945

Square

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



69.2840, 0.3738, 0.5021



69.2840, 0.1665, 0.2914



69.2840, 0.2329, 0.1955



69.2840, 0.4837, 0.3295

Rectangle

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



69.2840, 0.3738, 0.5021



69.2840, 0.2329, 0.4282



69.2840, 0.2329, 0.1955



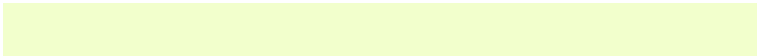
69.2840, 0.3828, 0.2516

Sweetspot

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



69.2871, 0.3738, 0.5021



94.7169, 0.3342, 0.3805



29.5650, 0.5054, 0.3692



20.1314, 0.3372, 0.3881



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.



69.2871, 0.3738, 0.5021



84.1024, 0.3767, 0.5256



61.7506, 0.3210, 0.5362



16.6193, 0.3228, 0.3525



36.9625, 0.3743, 0.5410



2.7754, 0.3811, 0.5356

Inverse Universe

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



14.3590, 0.2070, 0.1235



11.8828, 0.1843, 0.0902



21.9887, 0.2789, 0.1577



14.0669, 0.3020, 0.3050



3.8221, 0.1657, 0.0686



0.3263, 0.1805, 0.0768

Previews

White Background



This preview shows how the Yxy color 69.2840, 0.3738, 0.5021 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 69.2840, 0.3738, 0.5021 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 69.2840, 0.3738, 0.5021

Background



This preview shows how black text looks on a background with the Yxy color 69.2840, 0.3738, 0.5021.



This preview shows how white text looks on a background with the Yxy color 69.2840, 0.3738, 0.5021.

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

69.2840, 0.3738, 0.5021

Protanopia

68.9452, 0.4246, 0.4681

Deuteranopia

68.7544, 0.3999, 0.3998



Tritanopia

69.1215, 0.2961, 0.3103

Trichromacy



Original Color

69.2840, 0.3738, 0.5021

Protanomaly

68.3855, 0.4057, 0.4809

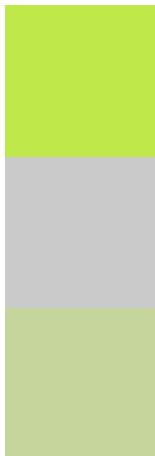
Deuteranomaly

68.0425, 0.3933, 0.4370

Tritanomaly

67.9337, 0.3288, 0.3830

Monochromacy



Original Color

69.2840, 0.3738, 0.5021

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

61.9608, 0.3416, 0.3994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.2840, 0.3738, 0.5021 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, 232, 74)` looks like.

```
.text, #text, p{  
    color:rgb(191, 232, 74)  
}
```

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, 232, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 232, 74) }
```

Border

The CSS property to change the border of an element to Yxy 69.2840, 0.3738, 0.5021 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, 232, 74) }
```

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

```
.border{ border-color:rgb(191, 232, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 232, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 232, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 232, 74);  
box-shadow:4px 4px 4px 4px rgb(191, 232,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 69.2840, 0.3738, 0.5021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 232, 74) }
```

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

```
.background{ background-color: rgb(191,  
232, 74) }
```

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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