

Converting Colors

$Yxy(66.7897, 0.3687, 0.4840)$

Have a look what the booklet for
Yxy(66.7897, 0.3687, 0.4840)
contains.

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Color

Yxy(66.7872, 0.3687, 0.4839)

Conversions

Conversions Part 1

Format	Color
Hex	BFE35C
RGB	191, 227, 92
RGB Percent	75%, 89%, 36%
CMY	0.2510, 0.1098, 0.6390
CMYK	0.16, 0.00, 0.59, 0.11
HSL	76°, 71%, 63%
HSV	76°, 59%, 89%
XYZ	50.8875, 66.7872, 20.3439
YIQ	200.8460, 21.8790, -49.6170

Conversions

Conversions Part 2

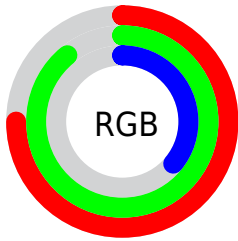
Format	Color
R _Y B	92, 227, 128
Decimal	12575580
CIE Lab	85.40, -31.05, 60.48
CIE LCh	85, 67.989, 117.176
Yxy	66.7872, 0.3687, 0.4839
Android (android.graphics.Color)	4290765660 (0xFFBFE35C)
YUV	200.8460, -53.6611, -8.6349
Hunter-Lab	81.7234, -31.8678, 42.4470

Details

The Yxy color **66.7872, 0.3687, 0.4839** 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 **17.8020, 0.2234, 0.1494**, and the grayscale version is **58.6407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9506, 0.3726, 0.4352**, and **34.6947, 0.3739, 0.5213** is the 20% darker color. If you saturate the color by 10%, you get **65.6815, 0.3733, 0.5051**, and if you desaturate by 10%, it is **68.0503, 0.3619, 0.4595**.

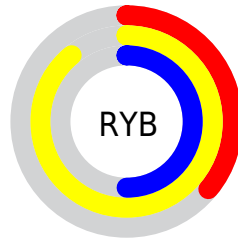
Distribution



Red (75%)

Green (89%)

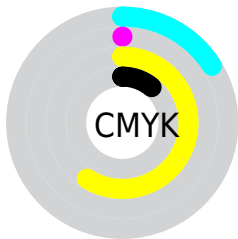
Blue (36%)



Red (36%)

Yellow (89%)

Blue (50%)

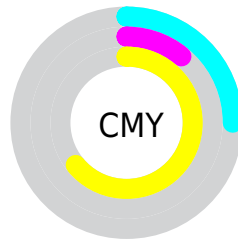


Cyan (16%)

Magenta (0%)

Yellow (59%)

Black (11%)



Cyan (25%)


Magenta (11%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.7872, 0.3687, 0.4839 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 66.7872, 0.3687, 0.4839 by changing the saturation by 10% instead.

 66.7872, 0.3687,
0.4839


 66.7872, 0.3687,
0.4839


449.1869, 0.3471,
0.4098


 48.9117, 0.3719,
0.5006

 114.6154, 0.3625,
0.4582


 34.5494, 0.3748,
0.5207


 145.3370, 0.3597,
0.4481

 23.3160, 0.3766,
0.5452

 181.1093, 0.3571,
0.4395

 14.8270, 0.3758,
0.5749

 222.3169, 0.3547,
0.4320

 8.6981, 0.3756,
0.6217

269.3440, 0.3526,
0.4254

 4.5448, 0.3488,
0.6512

322.5751, 0.3506,

 1.9827, 0.3031,

0.4196

0.6969

382.3946, 0.3488,
0.4144

0.5974, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.7872, 0.3687,
0.4839

66.7872, 0.3687,
0.4839

65.6815, 0.3733,
0.5051

68.0503, 0.3619,
0.4595

64.7129, 0.3755,
0.5221


69.4717, 0.3533,
0.4331


63.8709, 0.3751,
0.5344

71.0636, 0.3436,
0.4058


63.1339, 0.3724,
0.5422

72.8343, 0.3333,
0.3787

 63.0951, 0.3723,
0.5426

 74.7913, 0.3226,
0.3525

 76.9418, 0.3121,
0.3277

 79.2926, 0.3020,
0.3046

 80.5900, 0.3035,
0.3010

 81.6647, 0.3076,
0.3014

Harmonies

Analogous

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



66.7872, 0.4378, 0.4501



66.7872, 0.3687, 0.4839



66.7872, 0.2891, 0.4631

Triad

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



66.7872, 0.3687, 0.4839



66.7872, 0.1708, 0.2340



66.7872, 0.4051, 0.2764

Complementary

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



66.7872, 0.3687, 0.4839



17.8020, 0.2234, 0.1494

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.



66.7872, 0.3190, 0.2322



66.7872, 0.3687, 0.4839



66.7872, 0.1918, 0.2065

Square

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



66.7872, 0.3687, 0.4839



66.7872, 0.1795, 0.2953



66.7872, 0.2421, 0.2073



66.7872, 0.4662, 0.3325

Rectangle

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



66.7872, 0.3687, 0.4839



66.7872, 0.2407, 0.4148



66.7872, 0.2421, 0.2073



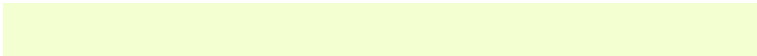
66.7872, 0.3773, 0.2599

Sweetspot

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



66.7902, 0.3687, 0.4839



95.1392, 0.3318, 0.3751



32.5526, 0.4690, 0.3694



20.2119, 0.3349, 0.3830



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.



66.7902, 0.3687, 0.4839



85.2350, 0.3740, 0.5089



59.9650, 0.3209, 0.5110



16.6137, 0.3227, 0.3525



36.8554, 0.3730, 0.5420



2.7683, 0.3800, 0.5365

Inverse Universe

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



17.8020, 0.2234, 0.1494



16.2672, 0.2024, 0.1153



24.8793, 0.2869, 0.1770



14.0722, 0.3022, 0.3050



3.8538, 0.1665, 0.0691



0.3293, 0.1815, 0.0774

Previews

White Background



This preview shows how the Yxy color 66.7872, 0.3687, 0.4839 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 66.7872, 0.3687, 0.4839 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 66.7872, 0.3687, 0.4839

Background



This preview shows how black text looks on a background with the Yxy color 66.7872, 0.3687, 0.4839.



This preview shows how white text looks on a background with the Yxy color 66.7872, 0.3687, 0.4839.

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

66.7872, 0.3687, 0.4839

Protanopia

66.2976, 0.4153, 0.4553

Deuteranopia

66.0042, 0.4109, 0.4065



Tritanopia

66.5671, 0.2972, 0.3100

Trichromacy



Original Color

66.7872, 0.3687, 0.4839

Protanomaly

66.0797, 0.3979, 0.4663

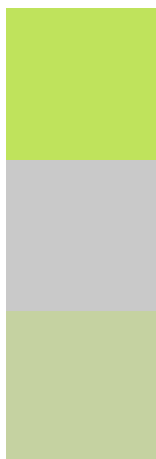
Deuteranomaly

65.4806, 0.3965, 0.4334

Tritanomaly

65.8556, 0.3259, 0.3739

Monochromacy



Original Color

66.7872, 0.3687, 0.4839

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

60.5367, 0.3373, 0.3889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7872, 0.3687, 0.4839 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, 227, 92)` looks like.

```
.text, #text, p{  
    color:rgb(191, 227, 92)  
}
```

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, 227, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 227, 92) }
```

Border

The CSS property to change the border of an element to Yxy 66.7872, 0.3687, 0.4839 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, 227, 92) }
```

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

```
.border{ border-color:rgb(191, 227, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 227, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 227, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 227, 92);  
box-shadow:4px 4px 4px 4px rgb(191, 227,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7872, 0.3687, 0.4839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 227, 92) }
```

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

```
.background{ background-color: rgb(191,  
227, 92) }
```

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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