

Converting Colors

Yxy(69.0810, 0.3416, 0.4639)

Have a look what the booklet for
Yxy(69.0810, 0.3416, 0.4639)
contains.

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Color

Yxy(69.0301, 0.3411, 0.4637)

Conversions

Conversions Part 1

Format	Color
Hex	B1E97A
RGB	177, 233, 122
RGB Percent	69%, 91%, 48%
CMY	0.3060, 0.0862, 0.5216
CMYK	0.24, 0.00, 0.48, 0.09
HSL	90°, 72%, 70%
HSV	90°, 48%, 91%
XYZ	50.7789, 69.0301, 29.0590
YIQ	203.6020, 2.2550, -46.3930

Conversions

Conversions Part 2

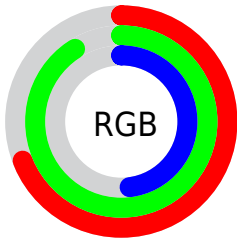
Format	Color
RYB	122, 233, 178
Decimal	11659642
CIELab	86.52, -36.18, 47.99
CIELCh	87, 60.100, 127.013
Yxy	69.0301, 0.3411, 0.4637
Android (android.graphics.Color)	4289849722 (0xFFB1E97A)
YUV	203.6020, -40.2298, -23.3300
Hunter-Lab	83.0844, -36.3033, 37.4222

Details

The Yxy color **69.0301, 0.3411, 0.4637** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **29.2718, 0.2670, 0.1952**, and the grayscale version is **60.3753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3168, 0.3461, 0.4104**, and **36.0241, 0.3437, 0.4982** is the 20% darker color. If you saturate the color by 10%, you get **67.2011, 0.3442, 0.4928**, and if you desaturate by 10%, it is **71.1226, 0.3365, 0.4335**.

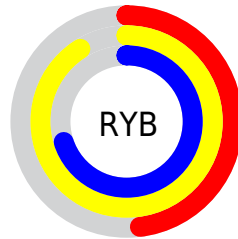
Distribution



Red (69%)

Green (91%)

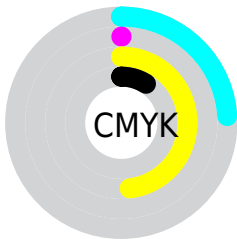
Blue (48%)



Red (48%)

Yellow (91%)

Blue (70%)

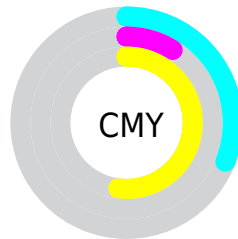


Cyan (24%)

Magenta (0%)

Yellow (48%)

Black (9%)



Cyan (31%)


Magenta (9%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.0301, 0.3411, 0.4637 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 69.0301, 0.3411, 0.4637 by changing the saturation by 10% instead.


 69.0301, 0.3411,
0.4637


 69.0301, 0.3411,
0.4637


457.1371, 0.3309,
0.3979

 50.7362, 0.3424,
0.4792


 117.8246, 0.3383,
0.4404

 35.9987, 0.3435,
0.4986


 149.0939, 0.3370,
0.4314

 24.4332, 0.3437,
0.5230


 185.4573, 0.3357,
0.4238

 15.6553, 0.3421,
0.5547

227.2990, 0.3346,
0.4172

 9.2806, 0.3362,
0.5964

275.0034, 0.3336,
0.4115

 4.9246, 0.3295,
0.6705

328.9550, 0.3326,

 2.2031, 0.2796,

0.4064

0.7204

389.5381, 0.3317,
0.4019

0.7217, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

69.0301, 0.3411,
0.4637

69.0301, 0.3411,
0.4637

67.2011, 0.3442,
0.4928

71.1226, 0.3365,
0.4335

65.6136, 0.3454,
0.5193


73.4815, 0.3308,
0.4036


64.2560, 0.3445,
0.5416


76.1210, 0.3245,
0.3749

63.1116, 0.3413,
0.5587


79.0514, 0.3178,
0.3481

 62.1591, 0.3362,
0.5700

 82.2824, 0.3112,
0.3234

 61.9553, 0.3350,
0.5722

 85.3773, 0.3088,
0.3075

 86.7638, 0.3137,
0.3078

Harmonies

Analogous

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



69.0301, 0.4071, 0.4503



69.0301, 0.3411, 0.4637



69.0301, 0.2712, 0.4262

Triad

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



69.0301, 0.3411, 0.4637



69.0301, 0.1889, 0.2341



69.0301, 0.4150, 0.2986

Complementary

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



69.0301, 0.3411, 0.4637



29.2718, 0.2670, 0.1952

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.



69.0301, 0.3439, 0.2540



69.0301, 0.3411, 0.4637



69.0301, 0.2169, 0.2172

Square

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



69.0301, 0.3411, 0.4637



69.0301, 0.1882, 0.2796



69.0301, 0.2710, 0.2251



69.0301, 0.4555, 0.3518

Rectangle

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



69.0301, 0.3411, 0.4637



69.0301, 0.2319, 0.3780



69.0301, 0.2710, 0.2251



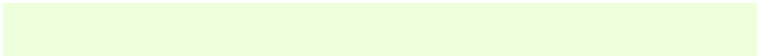
69.0301, 0.3934, 0.2824

Sweetspot

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



69.0331, 0.3411, 0.4637



94.6513, 0.3221, 0.3651



50.3747, 0.4115, 0.3915



20.0966, 0.3235, 0.3710



0.0000, 0.0000, 0.0000



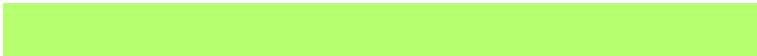
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.0331, 0.3411, 0.4637



82.5385, 0.3441, 0.4918



63.8264, 0.3057, 0.4796



17.2284, 0.3190, 0.3528



35.2248, 0.3361, 0.5714



2.8232, 0.3466, 0.5630

Inverse Universe

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



29.2718, 0.2670, 0.1952



28.3660, 0.2547, 0.1676



37.1282, 0.3181, 0.2137



14.9225, 0.3059, 0.3052



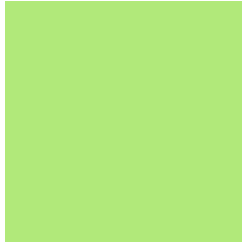
5.5822, 0.2034, 0.0894



0.4956, 0.2183, 0.0976

Previews

White Background



This preview shows how the Yxy color 69.0301, 0.3411, 0.4637 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 69.0301, 0.3411, 0.4637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

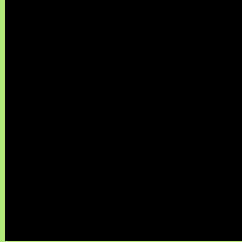
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.0301, 0.3411, 0.4637

Background



This preview shows how black text looks on a background with the Yxy color 69.0301, 0.3411, 0.4637.

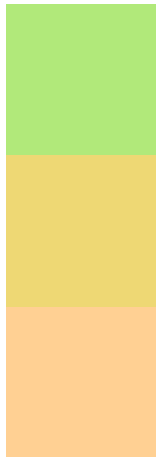


This preview shows how white text looks on a background with the Yxy color 69.0301, 0.3411, 0.4637.

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

69.0301, 0.3411, 0.4637

Protanopia

68.5498, 0.3986, 0.4340

Deuteranopia

68.4783, 0.3953, 0.3919



Tritanopia

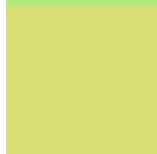
68.8288, 0.2838, 0.3087

Trichromacy



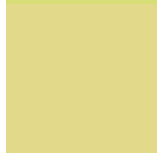
Original Color

69.0301, 0.3411, 0.4637



Protanomaly

68.1495, 0.3769, 0.4451



Deuteranomaly

67.7916, 0.3752, 0.4165



Tritanomaly

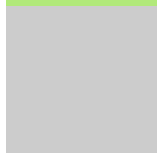
68.5273, 0.3056, 0.3634

Monochromacy



Original Color

69.0301, 0.3411, 0.4637



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

63.1262, 0.3251, 0.3787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0301, 0.3411, 0.4637 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(177, 233, 122)` looks like.

```
.text, #text, p{  
    color:rgb(177, 233, 122)  
}
```

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(177, 233, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 233, 122) }
```

Border

The CSS property to change the border of an element to Yxy 69.0301, 0.3411, 0.4637 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(177, 233, 122) }
```

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

```
.border{ border-color:rgb(177, 233, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 233, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 233, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 233, 122);  
box-shadow:4px 4px 4px 4px rgb(177, 233,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 69.0301, 0.3411, 0.4637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 233, 122) }
```

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

```
.background{ background-color: rgb(177,  
233, 122) }
```

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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