

Converting Colors

$Yxy(70.0961, 0.3435, 0.4899)$

Have a look what the booklet for
Yxy(70.0961, 0.3435, 0.4899)
contains.

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Color

Yxy(69.9827, 0.3437, 0.4900)

Conversions

Conversions Part 1

Format	Color
Hex	A9ED67
RGB	169, 237, 103
RGB Percent	66%, 93%, 40%
CMY	0.3374, 0.0705, 0.5961
CMYK	0.29, 0.00, 0.57, 0.07
HSL	90°, 79%, 67%
HSV	90°, 57%, 93%
XYZ	49.0879, 69.9827, 23.7513
YIQ	201.3920, 2.4860, -56.0900

Conversions

Conversions Part 2

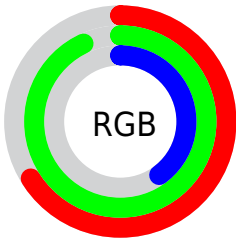
Format	Color
RYB	103, 237, 171
Decimal	11136359
CIELab	86.99, -42.76, 57.17
CIELCh	87, 71.392, 126.792
Yxy	69.9827, 0.3437, 0.4900
Android (android.graphics.Color)	4289326439 (0xFFA9ED67)
YUV	201.3920, -48.5073, -28.4078
Hunter-Lab	83.6557, -41.6563, 41.7255

Details

The Yxy color **69.9827, 0.3437, 0.4900** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **24.4791, 0.2560, 0.1696**, and the grayscale version is **58.9670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3195, 0.3508, 0.4304**, and **36.7719, 0.3445, 0.5308** is the 20% darker color. If you saturate the color by 10%, you get **68.3053, 0.3451, 0.5169**, and if you desaturate by 10%, it is **71.9236, 0.3404, 0.4607**.

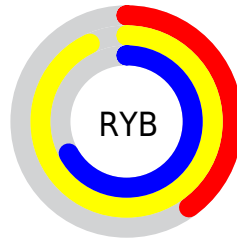
Distribution



Red (66%)

Green (93%)

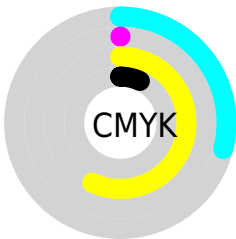
Blue (40%)



Red (40%)

Yellow (93%)

Blue (67%)

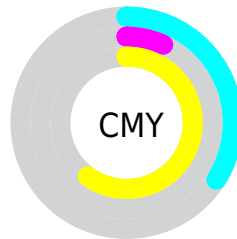


Cyan (29%)

Magenta (0%)

Yellow (57%)

Black (7%)



Cyan (34%)


Magenta (7%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.9827, 0.3437, 0.4900 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 69.9827, 0.3437, 0.4900 by changing the saturation by 10% instead.


 69.9827, 0.3437,
0.4900

 69.9827, 0.3437,
0.4900


460.4893, 0.3339,
0.4116


 51.5124, 0.3444,
0.5082


 119.1841, 0.3415,
0.4624


 36.6166, 0.3443,
0.5307


 150.6840, 0.3403,
0.4517

 24.9108, 0.3426,
0.5586


 187.2959, 0.3390,
0.4426

 16.0106, 0.3375,
0.5938

 229.4042, 0.3379,
0.4347

 9.5316, 0.3274,
0.6415

277.3933, 0.3368,
0.4278

 5.0895, 0.3020,
0.6980

331.6476, 0.3358,

 2.2999, 0.2444,

0.4217

0.7556

392.5514, 0.3348,
0.4164

0.7737, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

69.9827, 0.3437,
0.4900

69.9827, 0.3437,
0.4900

68.3053, 0.3451,
0.5169

71.9236, 0.3404,
0.4607

66.8671, 0.3443,
0.5398


74.1324, 0.3357,
0.4304


65.6542, 0.3413,
0.5575


76.6246, 0.3300,
0.4005


64.6457, 0.3364,
0.5694

79.4115, 0.3237,
0.3719

 64.3341, 0.3345,
0.5726

 82.5041, 0.3171,
0.3453

 85.9125, 0.3104,
0.3208

 88.7180, 0.3124,
0.3116

 89.0560, 0.3135,
0.3117

Harmonies

Analogous

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



69.9827, 0.4206, 0.4687



69.9827, 0.3437, 0.4900



69.9827, 0.2629, 0.4470

Triad

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



69.9827, 0.3437, 0.4900



69.9827, 0.1706, 0.2184



69.9827, 0.4331, 0.2921

Complementary

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



69.9827, 0.3437, 0.4900



24.4791, 0.2560, 0.1696

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.



69.9827, 0.3480, 0.2421



69.9827, 0.3437, 0.4900



69.9827, 0.2016, 0.2005

Square

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



69.9827, 0.3437, 0.4900



69.9827, 0.1695, 0.2697



69.9827, 0.2627, 0.2097



69.9827, 0.4808, 0.3517

Rectangle

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



69.9827, 0.3437, 0.4900



69.9827, 0.2180, 0.3877



69.9827, 0.2627, 0.2097



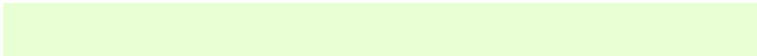
69.9827, 0.4071, 0.2740

Sweetspot

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



69.9858, 0.3437, 0.4900



93.5772, 0.3240, 0.3734



47.7376, 0.4356, 0.4018



19.8820, 0.3253, 0.3790



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.



69.9858, 0.3437, 0.4900



80.3327, 0.3451, 0.5212



64.4387, 0.3042, 0.5113



17.2261, 0.3190, 0.3528



35.1974, 0.3356, 0.5717



2.8210, 0.3462, 0.5633

Inverse Universe

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



24.4791, 0.2560, 0.1696



21.7020, 0.2405, 0.1391



33.8221, 0.3190, 0.1959



14.9249, 0.3059, 0.3052



5.6104, 0.2040, 0.0897



0.4978, 0.2189, 0.0979

Previews

White Background



This preview shows how the Yxy color 69.9827, 0.3437, 0.4900 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 69.9827, 0.3437, 0.4900 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 69.9827, 0.3437, 0.4900

Background



This preview shows how black text looks on a background with the Yxy color 69.9827, 0.3437, 0.4900.



This preview shows how white text looks on a background with the Yxy color 69.9827, 0.3437, 0.4900.

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

69.9827, 0.3437, 0.4900

Protanopia

69.1895, 0.4113, 0.4500

Deuteranopia

68.9675, 0.3948, 0.3929



Tritanopia

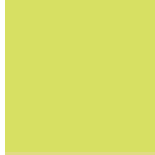
69.8854, 0.2797, 0.3098

Trichromacy



Original Color

69.9827, 0.3437, 0.4900



Protanomaly

68.6592, 0.3856, 0.4650



Deuteranomaly

68.1490, 0.3766, 0.4265



Tritanomaly

69.1496, 0.3052, 0.3746

Monochromacy



Original Color

69.9827, 0.3437, 0.4900



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

61.6286, 0.3276, 0.3895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9827, 0.3437, 0.4900 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(169, 237, 103)` looks like.

```
.text, #text, p{  
    color:rgb(169, 237, 103)  
}
```

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(169, 237, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 237, 103) }
```

Border

The CSS property to change the border of an element to Yxy 69.9827, 0.3437, 0.4900 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(169, 237, 103) }
```

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

```
.border{ border-color:rgb(169, 237, 103) }
```

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

Here you see how a box with a 4 pixel rgb(169, 237, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 237, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 237, 103);  
box-shadow:4px 4px 4px 4px rgb(169, 237,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9827, 0.3437, 0.4900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 237, 103) }
```

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

```
.background{ background-color: rgb(169,  
237, 103) }
```

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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