

Converting Colors

$Yxy(68.9484, 0.3453, 0.4797)$

Have a look what the booklet for
Yxy(68.9484, 0.3453, 0.4797)
contains.

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Color

Yxy(68.9484, 0.3453, 0.4797)

Conversions

Conversions Part 1

Format	Color
Hex	AEEA6D
RGB	174, 234, 109
RGB Percent	68%, 92%, 43%
CMY	0.3178, 0.0823, 0.5726
CMYK	0.26, 0.00, 0.53, 0.08
HSL	89°, 75%, 67%
HSV	89°, 53%, 92%
XYZ	49.6308, 68.9484, 25.1532
YIQ	201.8100, 4.3650, -51.5950

Conversions

Conversions Part 2

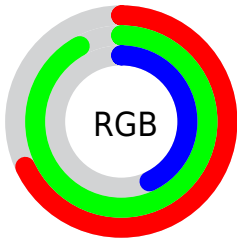
Format	Color
RYB	109, 234, 169
Decimal	11463277
CIELab	86.48, -39.09, 53.97
CIELCh	86, 66.636, 125.913
Yxy	68.9484, 0.3453, 0.4797
Android (android.graphics.Color)	4289653357 (0xFFAEEA6D)
YUV	201.8100, -45.7553, -24.3894
Hunter-Lab	83.0352, -38.6207, 40.1644

Details

The Yxy color **68.9484, 0.3453, 0.4797** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **25.3124, 0.2569, 0.1773**, and the grayscale version is **59.2219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3201, 0.3514, 0.4242**, and **35.9779, 0.3468, 0.5177** is the 20% darker color. If you saturate the color by 10%, you get **67.2758, 0.3477, 0.5070**, and if you desaturate by 10%, it is **70.8692, 0.3411, 0.4504**.

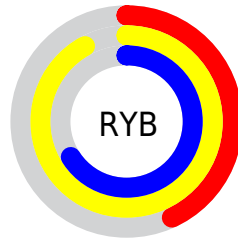
Distribution



Red (68%)

Green (92%)

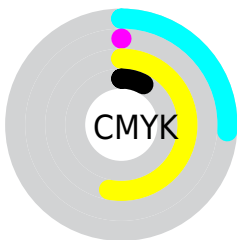
Blue (43%)



Red (43%)

Yellow (92%)

Blue (66%)

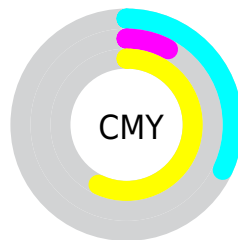


Cyan (26%)

Magenta (0%)

Yellow (53%)

Black (8%)



Cyan (32%)

Magenta (8%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9484, 0.3453, 0.4797 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 68.9484, 0.3453, 0.4797 by changing the saturation by 10% instead.


 68.9484, 0.3453,
0.4797

 68.9484, 0.3453,
0.4797

456.8490, 0.3341,
0.4062


 50.6697, 0.3465,
0.4969


 117.7079, 0.3424,
0.4538


 35.9458, 0.3472,
0.5181


 148.9574, 0.3410,
0.4438

 24.3923, 0.3466,
0.5446


 185.2994, 0.3396,
0.4352

 15.6249, 0.3434,
0.5783

 227.1181, 0.3383,
0.4278

 9.2591, 0.3351,
0.6229

274.7981, 0.3371,
0.4214

 4.9106, 0.3162,
0.6838

328.7236, 0.3360,

 2.1949, 0.2621,


0.4157


0.7379


389.2791, 0.3350,
0.4107

 0.7172, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 68.9484, 0.3453,
0.4797


 68.9484, 0.3453,
0.4797


 67.2758, 0.3477,
0.5070


 70.8692, 0.3411,
0.4504


 65.8288, 0.3480,
0.5309


 73.0413, 0.3355,
0.4205


 64.5951, 0.3460,
0.5499


 75.4791, 0.3291,
0.3912

 63.5565, 0.3418,
0.5633


 78.1931, 0.3222,
0.3633

 62.9635, 0.3383,
0.5696

 81.1930, 0.3151,
0.3374

 84.4883, 0.3081,
0.3137

 86.8884, 0.3121,
0.3087

 87.3338, 0.3137,
0.3088

Harmonies

Analogous

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



68.9484, 0.4174, 0.4603



68.9484, 0.3453, 0.4797



68.9484, 0.2686, 0.4408

Triad

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



68.9484, 0.3453, 0.4797



68.9484, 0.1773, 0.2257



68.9484, 0.4237, 0.2930

Complementary

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



68.9484, 0.3453, 0.4797



25.3124, 0.2569, 0.1773

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.



68.9484, 0.3437, 0.2455



68.9484, 0.3453, 0.4797



68.9484, 0.2062, 0.2072

Square

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



68.9484, 0.3453, 0.4797



68.9484, 0.1773, 0.2758



68.9484, 0.2637, 0.2151



68.9484, 0.4701, 0.3500

Rectangle

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



68.9484, 0.3453, 0.4797



68.9484, 0.2253, 0.3867



68.9484, 0.2637, 0.2151



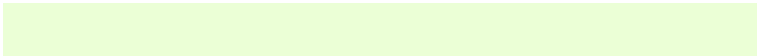
68.9484, 0.3991, 0.2758

Sweetspot

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



68.9514, 0.3453, 0.4797



94.1162, 0.3241, 0.3705



46.3562, 0.4298, 0.3939



19.9968, 0.3255, 0.3762



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.



68.9514, 0.3453, 0.4797



81.5912, 0.3478, 0.5093



63.4778, 0.3068, 0.4992



17.2472, 0.3194, 0.3528



35.4526, 0.3394, 0.5687



2.8411, 0.3497, 0.5605

Inverse Universe

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



25.3124, 0.2569, 0.1773



23.4064, 0.2420, 0.1472



33.6714, 0.3146, 0.2003



14.9038, 0.3055, 0.3052



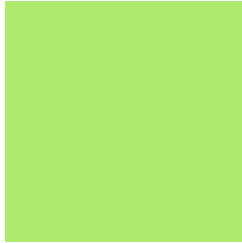
5.3625, 0.1987, 0.0868



0.4781, 0.2139, 0.0952

Previews

White Background



This preview shows how the Yxy color 68.9484, 0.3453, 0.4797 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 68.9484, 0.3453, 0.4797 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 68.9484, 0.3453, 0.4797

Background



This preview shows how black text looks on a background with the Yxy color 68.9484, 0.3453, 0.4797.



This preview shows how white text looks on a background with the Yxy color 68.9484, 0.3453, 0.4797.

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

68.9484, 0.3453, 0.4797

Protanopia

68.4417, 0.4071, 0.4450

Deuteranopia

68.3549, 0.3982, 0.3959



Tritanopia

68.5659, 0.2825, 0.3087

Trichromacy



Original Color

68.9484, 0.3453, 0.4797



Protanomaly

68.2423, 0.3830, 0.4588



Deuteranomaly

67.4332, 0.3790, 0.4241



Tritanomaly

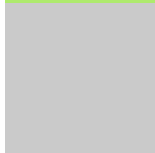
67.9263, 0.3067, 0.3698

Monochromacy



Original Color

68.9484, 0.3453, 0.4797



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

62.1268, 0.3278, 0.3853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9484, 0.3453, 0.4797 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(174, 234, 109)` looks like.

```
.text, #text, p{  
    color:rgb(174, 234, 109)  
}
```

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(174, 234, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 234, 109) }
```

Border

The CSS property to change the border of an element to Yxy 68.9484, 0.3453, 0.4797 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(174, 234, 109) }
```

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

```
.border{ border-color:rgb(174, 234, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 234, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 234, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 234, 109);  
box-shadow:4px 4px 4px 4px rgb(174, 234,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9484, 0.3453, 0.4797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 234, 109) }
```

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

```
.background{ background-color: rgb(174,  
234, 109) }
```

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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