

Converting Colors

$Y_{xy}(68.7900, 0.3449, 0.5193)$

Have a look what the booklet for
Yxy(68.7900, 0.3449, 0.5193)
contains.

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Color

Yxy(68.7670, 0.3446, 0.5190)

Conversions

Conversions Part 1

Format	Color
Hex	9CEE4E
RGB	156, 238, 78
RGB Percent	61%, 93%, 31%
CMY	0.3883, 0.0666, 0.6941
CMYK	0.34, 0.00, 0.67, 0.07
HSL	91°, 82%, 62%
HSV	91°, 67%, 93%
XYZ	45.6592, 68.7670, 18.0729
YIQ	195.2420, 2.4880, -67.1440

Conversions

Conversions Part 2

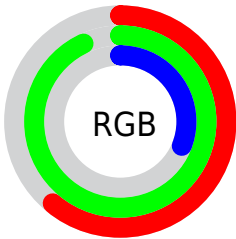
Format	Color
RYB	78, 238, 160
Decimal	10284622
CIELab	86.39, -49.74, 66.62
CIELCh	86, 83.138, 126.746
Yxy	68.7670, 0.3446, 0.5190
Android (android.graphics.Color)	4288474702 (0xFF9CEE4E)
YUV	195.2420, -57.8003, -34.4152
Hunter-Lab	82.9259, -46.8378, 45.1264

Details

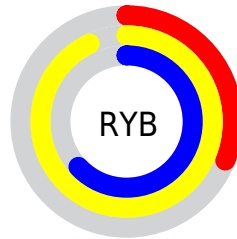
The Yxy color **68.7670, 0.3446, 0.5190** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **19.0958, 0.2426, 0.1419**, and the grayscale version is **55.0762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6883, 0.3552, 0.4575**, and **35.6488, 0.3423, 0.5657** is the 20% darker color. If you saturate the color by 10%, you get **67.3317, 0.3436, 0.5417**, and if you desaturate by 10%, it is **70.4539, 0.3434, 0.4922**.

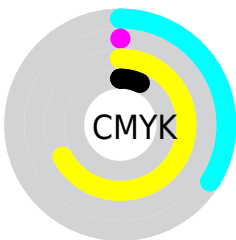
Distribution



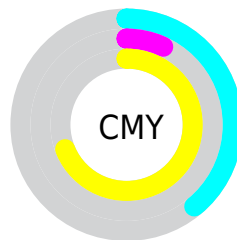
- Red (61%)
- Green (93%)
- Blue (31%)



- Red (31%)
- Yellow (93%)
- Blue (63%)



- Cyan (34%)
- Magenta (0%)
- Yellow (67%)
- Black (7%)





- Cyan (39%)
- Magenta (7%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7670, 0.3446, 0.5190 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 68.7670, 0.3446, 0.5190 by changing the saturation by 10% instead.

 68.7670, 0.3446,
0.5190


 68.7670, 0.3446,
0.5190


456.2088, 0.3366,
0.4264


 50.5220, 0.3440,
0.5401


 117.4487, 0.3436,
0.4866

 35.8283, 0.3420,
0.5658


 148.6542, 0.3427,
0.4740


 24.3016, 0.3371,
0.5971


 184.9486, 0.3417,
0.4632

 15.5575, 0.3268,
0.6351

 226.7164, 0.3406,
0.4539

 9.2116, 0.3106,
0.6894

 274.3419, 0.3396,
0.4457

 4.8795, 0.2681,
0.7319

328.2095, 0.3385,

 2.1767, 0.1899,

0.4385

0.8101

388.7037, 0.3376,
0.4321

0.7073, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.7670, 0.3446,
0.5190

68.7670, 0.3446,
0.5190

67.3317, 0.3436,
0.5417

70.4539, 0.3434,
0.4922

66.1215, 0.3404,
0.5590


72.3990, 0.3403,
0.4629


65.1173, 0.3354,
0.5705


74.6190, 0.3358,
0.4326

64.8669, 0.3338,
0.5731


77.1266, 0.3302,
0.4026

 79.9336, 0.3240,
0.3739

 83.0511, 0.3175,
0.3470

 86.4893, 0.3109,
0.3224

 89.3649, 0.3126,
0.3126

 89.6325, 0.3135,
0.3127

Harmonies

Analogous

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



68.7670, 0.4329, 0.4871



68.7670, 0.3446, 0.5190



68.7670, 0.2529, 0.4706

Triad

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



68.7670, 0.3446, 0.5190



68.7670, 0.1521, 0.2018



68.7670, 0.4532, 0.2851

Complementary

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



68.7670, 0.3446, 0.5190



19.0958, 0.2426, 0.1419

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.



68.7670, 0.3527, 0.2299



68.7670, 0.3446, 0.5190



68.7670, 0.1860, 0.1832

Square

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



68.7670, 0.3446, 0.5190



68.7670, 0.1501, 0.2581



68.7670, 0.2540, 0.1940



68.7670, 0.5080, 0.3506

Rectangle

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



68.7670, 0.3446, 0.5190



68.7670, 0.2025, 0.3980



68.7670, 0.2540, 0.1940



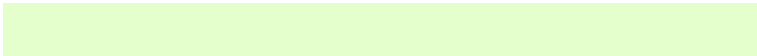
68.7670, 0.4225, 0.2651

Sweetspot

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



68.7700, 0.3446, 0.5190



92.5148, 0.3258, 0.3819



43.1822, 0.4653, 0.4112



19.6022, 0.3276, 0.3899



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.



68.7700, 0.3446, 0.5190



78.1396, 0.3426, 0.5494



63.3220, 0.3025, 0.5459



18.0345, 0.3189, 0.3529



36.2637, 0.3349, 0.5723



3.0758, 0.3450, 0.5643

Inverse Universe

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



19.0958, 0.2426, 0.1419



16.2717, 0.2245, 0.1124



29.7998, 0.3198, 0.1784



15.6270, 0.3060, 0.3052



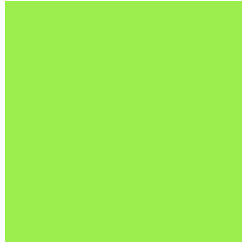
5.8289, 0.2048, 0.0902



0.5441, 0.2189, 0.0979

Previews

White Background



This preview shows how the Yxy color 68.7670, 0.3446, 0.5190 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 68.7670, 0.3446, 0.5190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

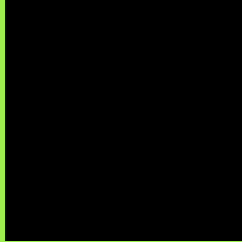
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.7670, 0.3446, 0.5190

Background



This preview shows how black text looks on a background with the Yxy color 68.7670, 0.3446, 0.5190.

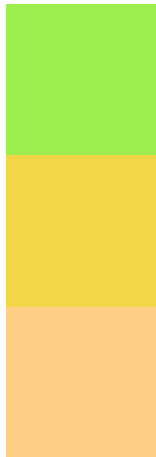


This preview shows how white text looks on a background with the Yxy color 68.7670, 0.3446, 0.5190.

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

68.7670, 0.3446, 0.5190

Protanopia

67.7695, 0.4244, 0.4659

Deuteranopia

67.6632, 0.4037, 0.4017



Tritanopia

68.1175, 0.2735, 0.3083

Trichromacy



Original Color

68.7670, 0.3446, 0.5190



Protanomaly

66.9714, 0.3936, 0.4863



Deuteranomaly

66.4407, 0.3829, 0.4434



Tritanomaly

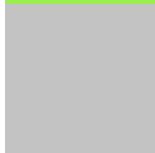
67.4809, 0.3034, 0.3871

Monochromacy



Original Color

68.7670, 0.3446, 0.5190



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

58.6793, 0.3307, 0.4041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7670, 0.3446, 0.5190 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(156, 238, 78)` looks like.

```
.text, #text, p{  
    color:rgb(156, 238, 78)  
}
```

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(156, 238, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 238, 78) }
```

Border

The CSS property to change the border of an element to Yxy 68.7670, 0.3446, 0.5190 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(156, 238, 78) }
```

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

```
.border{ border-color:rgb(156, 238, 78) }
```

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

Here you see how a box with a 4 pixel rgb(156, 238, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 238, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 238, 78);  
box-shadow:4px 4px 4px 4px rgb(156, 238,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7670, 0.3446, 0.5190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 238, 78) }
```

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

```
.background{ background-color: rgb(156,  
238, 78) }
```

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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