

Converting Colors

Yxy(61.8798, 0.3395, 0.4897)

Have a look what the booklet for
Yxy(61.8798, 0.3395, 0.4897)
contains.

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Color

Yxy(61.8192, 0.3399, 0.4899)

Conversions

Conversions Part 1

Format	Color
Hex	9CE163
RGB	156, 225, 99
RGB Percent	61%, 88%, 39%
CMY	0.3881, 0.1176, 0.6117
CMYK	0.31, 0.00, 0.56, 0.12
HSL	93°, 68%, 64%
HSV	93°, 56%, 88%
XYZ	42.8911, 61.8192, 21.4771
YIQ	190.0050, -0.6780, -53.8140

Conversions

Conversions Part 2

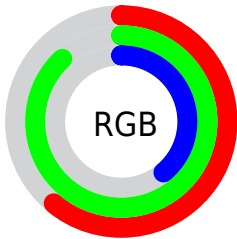
Format	Color
RYB	99, 225, 168
Decimal	10281315
CIELab	82.82, -42.42, 53.95
CIELCh	83, 68.634, 128.178
Yxy	61.8192, 0.3399, 0.4899
Android (android.graphics.Color)	4288471395 (0xFF9CE163)
YUV	190.0050, -44.8655, -29.8224
Hunter-Lab	78.6252, -40.2199, 38.8421

Details

The Yxy color **61.8192, 0.3399, 0.4899** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **22.6846, 0.2617, 0.1736**, and the grayscale version is **51.7635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9660, 0.3441, 0.4390**, and **31.2747, 0.3395, 0.5331** is the 20% darker color. If you saturate the color by 10%, you get **60.2823, 0.3409, 0.5177**, and if you desaturate by 10%, it is **63.6060, 0.3371, 0.4599**.

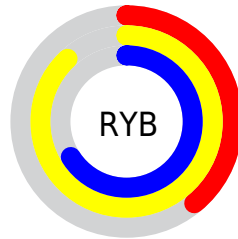
Distribution



Red (61%)

Green (88%)

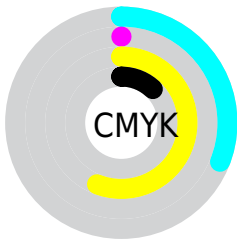
Blue (39%)



Red (39%)

Yellow (88%)

Blue (66%)

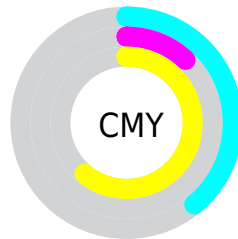


Cyan (31%)

Magenta (0%)

Yellow (56%)

Black (12%)



Cyan (39%)


Magenta (12%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.8192, 0.3399, 0.4899 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 61.8192, 0.3399, 0.4899 by changing the saturation by 10% instead.


 61.8192, 0.3399,
0.4899

 61.8192, 0.3399,
0.4899


431.2713, 0.3315,
0.4096

 44.8866, 0.3402,
0.5092


 107.4642, 0.3382,
0.4611

 31.3681, 0.3396,
0.5331


 136.9454, 0.3371,
0.4502

 20.8793, 0.3371,
0.5635


 171.3782, 0.3361,
0.4409

 13.0358, 0.3305,
0.6023

 211.1472, 0.3350,
0.4328

 7.4532, 0.3207,
0.6630

256.6365, 0.3341,
0.4259

 3.7471, 0.2833,
0.7167

308.2307, 0.3332,

 1.5331, 0.1696,

0.4197

0.8304

366.3142, 0.3323,
0.4144

■ 0.3119, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.8192, 0.3399,
0.4899

■ 61.8192, 0.3399,
0.4899

■ 60.2823, 0.3409,
0.5177

■ 63.6060, 0.3371,
0.4599

■ 58.9733, 0.3398,
0.5415


■ 65.6471, 0.3330,
0.4292

■ 57.8791, 0.3367,
0.5601

■ 67.9570, 0.3279,
0.3991

■ 56.9808, 0.3317,
0.5726


■ 70.5463, 0.3222,
0.3704

 56.6649, 0.3295,
0.5766

 73.4253, 0.3163,
0.3438

 76.6034, 0.3103,
0.3196

 79.9922, 0.3054,
0.2991

 82.2489, 0.3138,
0.2999

 82.3307, 0.3141,
0.2999

Harmonies

Analogous

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



61.8192, 0.4176, 0.4710



61.8192, 0.3399, 0.4899



61.8192, 0.2594, 0.4437

Triad

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



61.8192, 0.3399, 0.4899



61.8192, 0.1712, 0.2167



61.8192, 0.4366, 0.2947

Complementary

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



61.8192, 0.3399, 0.4899



22.6846, 0.2617, 0.1736

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.



61.8192, 0.3523, 0.2440



61.8192, 0.3399, 0.4899



61.8192, 0.2036, 0.2001

Square

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



61.8192, 0.3399, 0.4899



61.8192, 0.1686, 0.2663



61.8192, 0.2661, 0.2106



61.8192, 0.4819, 0.3545

Rectangle

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



61.8192, 0.3399, 0.4899



61.8192, 0.2151, 0.3833



61.8192, 0.2661, 0.2106



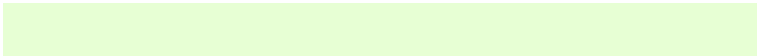
61.8192, 0.4111, 0.2763

Sweetspot

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



61.8219, 0.3399, 0.4899



93.2892, 0.3229, 0.3735



44.2552, 0.4306, 0.4056



19.8141, 0.3241, 0.3792



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.



61.8219, 0.3399, 0.4899



79.7879, 0.3409, 0.5214



57.4872, 0.3024, 0.5035



15.6394, 0.3184, 0.3527



32.7201, 0.3306, 0.5757



2.3206, 0.3427, 0.5661

Inverse Universe

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



22.6846, 0.2617, 0.1736



23.0118, 0.2478, 0.1443



30.1426, 0.3231, 0.2007



13.6112, 0.3066, 0.3054



5.6372, 0.2122, 0.0943



0.4437, 0.2282, 0.1031

Previews

White Background



This preview shows how the Yxy color 61.8192, 0.3399, 0.4899 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 61.8192, 0.3399, 0.4899 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 61.8192, 0.3399, 0.4899

Background



This preview shows how black text looks on a background with the Yxy color 61.8192, 0.3399, 0.4899.

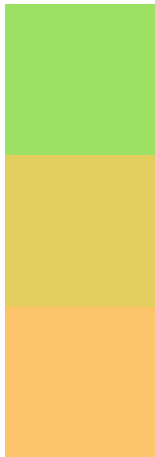


This preview shows how white text looks on a background with the Yxy color 61.8192, 0.3399, 0.4899.

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

61.8192, 0.3399, 0.4899

Protanopia

61.4269, 0.4099, 0.4493

Deuteranopia

61.2368, 0.4277, 0.4188



Tritanopia

61.3039, 0.2768, 0.3087

Trichromacy



Original Color

61.8192, 0.3399, 0.4899



Protanomaly

60.9713, 0.3829, 0.4649



Deuteranomaly

60.3768, 0.3936, 0.4448



Tritanomaly

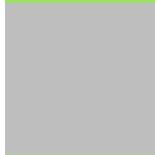
60.7728, 0.3015, 0.3736

Monochromacy



Original Color

61.8192, 0.3399, 0.4899



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

54.6112, 0.3261, 0.3889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.8192, 0.3399, 0.4899 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, 225, 99)` looks like.

```
.text, #text, p{  
    color:rgb(156, 225, 99)  
}
```

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, 225, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 225, 99) }
```

Border

The CSS property to change the border of an element to Yxy 61.8192, 0.3399, 0.4899 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, 225, 99) }
```

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

```
.border{ border-color:rgb(156, 225, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 225, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 225, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 225, 99);  
box-shadow:4px 4px 4px 4px rgb(156, 225,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 61.8192, 0.3399, 0.4899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 225, 99) }
```

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

```
.background{ background-color: rgb(156,  
225, 99) }
```

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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