

Converting Colors

Yxy(61.9581, 0.3471, 0.4807)

Have a look what the booklet for
Yxy(61.9581, 0.3471, 0.4807)
contains.

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Color

Yxy(61.9502, 0.3471, 0.4808)

Conversions

Conversions Part 1

Format	Color
Hex	A7DF66
RGB	167, 223, 102
RGB Percent	65%, 87%, 40%
CMY	0.3451, 0.1255, 0.5999
CMYK	0.25, 0.00, 0.54, 0.13
HSL	88°, 65%, 64%
HSV	88°, 54%, 87%
XYZ	44.7232, 61.9502, 22.1748
YIQ	192.4620, 5.4650, -49.5030

Conversions

Conversions Part 2

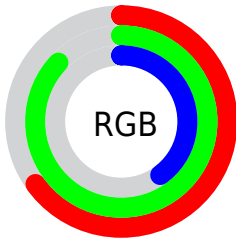
Format	Color
RYB	102, 223, 158
Decimal	11001702
CIELab	82.89, -37.34, 52.83
CIELCh	83, 64.690, 125.255
Yxy	61.9502, 0.3471, 0.4808
Android (android.graphics.Color)	4289191782 (0xFFA7DF66)
YUV	192.4620, -44.5978, -22.3302
Hunter-Lab	78.7084, -36.3137, 38.3920

Details

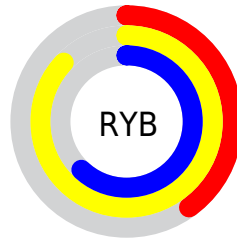
The Yxy color **61.9502, 0.3471, 0.4808** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **22.1056, 0.2540, 0.1745**, and the grayscale version is **53.2628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7676, 0.3499, 0.4332**, and **31.3039, 0.3498, 0.5200** is the 20% darker color. If you saturate the color by 10%, you get **60.4885, 0.3497, 0.5076**, and if you desaturate by 10%, it is **63.6261, 0.3427, 0.4519**.

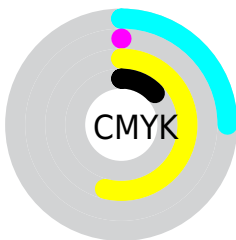
Distribution



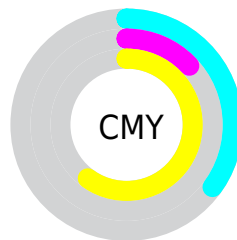
- Red (65%)
- Green (87%)
- Blue (40%)



- Red (40%)
- Yellow (87%)
- Blue (62%)



- Cyan (25%)
- Magenta (0%)
- Yellow (54%)
- Black (13%)




- Cyan (35%)
- Magenta (13%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.9502, 0.3471, 0.4808 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 61.9502, 0.3471, 0.4808 by changing the saturation by 10% instead.


 61.9502, 0.3471,
0.4808


 61.9502, 0.3471,
0.4808


431.7494, 0.3348,
0.4055

 44.9925, 0.3485,
0.4987

 107.6536, 0.3439,
0.4540


 31.4515, 0.3493,
0.5209


 137.1680, 0.3423,
0.4437

 20.9429, 0.3487,
0.5490


 171.6367, 0.3408,
0.4350

 13.0823, 0.3449,
0.5848

 211.4442, 0.3394,
0.4274

 7.4852, 0.3382,
0.6387

256.9748, 0.3381,
0.4209

 3.7674, 0.3086,
0.6914

308.6130, 0.3369,

 1.5443, 0.2235,

0.4151

0.7765

366.7430, 0.3358,
0.4101

■ 0.3196, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.9502, 0.3471,
0.4808

■ 61.9502, 0.3471,
0.4808

■ 60.4885, 0.3497,
0.5076

■ 63.6261, 0.3427,
0.4519

■ 59.2209, 0.3500,
0.5308

■ 65.5188, 0.3370,
0.4223


■ 58.1367, 0.3481,
0.5491

■ 67.6407, 0.3303,
0.3932


■ 57.2199, 0.3440,
0.5620

■ 70.0011, 0.3232,
0.3654

 56.7548, 0.3410,
0.5675

 72.6085, 0.3158,
0.3394

 75.4709, 0.3086,
0.3156

 78.3935, 0.3035,
0.2969

 80.2444, 0.3105,
0.2976

 81.2576, 0.3142,
0.2980

Harmonies

Analogous

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



61.9502, 0.4193, 0.4601



61.9502, 0.3471, 0.4808



61.9502, 0.2699, 0.4430

Triad

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



61.9502, 0.3471, 0.4808



61.9502, 0.1763, 0.2259



61.9502, 0.4228, 0.2916

Complementary

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



61.9502, 0.3471, 0.4808



22.1056, 0.2540, 0.1745

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.



61.9502, 0.3420, 0.2442



61.9502, 0.3471, 0.4808



61.9502, 0.2047, 0.2067

Square

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



61.9502, 0.3471, 0.4808



61.9502, 0.1770, 0.2769



61.9502, 0.2619, 0.2141



61.9502, 0.4705, 0.3487

Rectangle

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



61.9502, 0.3471, 0.4808



61.9502, 0.2261, 0.3890



61.9502, 0.2619, 0.2141



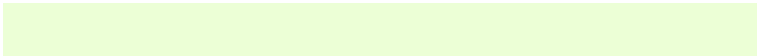
61.9502, 0.3979, 0.2744

Sweetspot

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



61.9529, 0.3471, 0.4808



94.2377, 0.3245, 0.3705



40.5806, 0.4331, 0.3924



20.0257, 0.3260, 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.



61.9529, 0.3471, 0.4808



81.7432, 0.3498, 0.5107



56.9297, 0.3078, 0.5010



15.6979, 0.3196, 0.3527



33.4375, 0.3420, 0.5666



2.3708, 0.3533, 0.5577

Inverse Universe

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



22.1056, 0.2540, 0.1745



22.5105, 0.2382, 0.1435



29.5792, 0.3126, 0.1981



13.5526, 0.3053, 0.3053



4.9017, 0.1957, 0.0851



0.3926, 0.2128, 0.0946

Previews

White Background



This preview shows how the Yxy color 61.9502, 0.3471, 0.4808 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 61.9502, 0.3471, 0.4808 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 61.9502, 0.3471, 0.4808

Background



This preview shows how black text looks on a background with the Yxy color 61.9502, 0.3471, 0.4808.

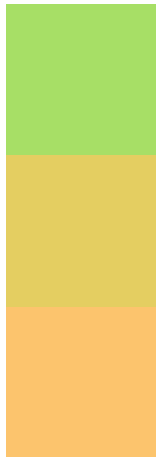


This preview shows how white text looks on a background with the Yxy color 61.9502, 0.3471, 0.4808.

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

61.9502, 0.3471, 0.4808

Protanopia

61.4997, 0.4076, 0.4458

Deuteranopia

61.2794, 0.4264, 0.4171



Tritanopia

61.7745, 0.2838, 0.3101

Trichromacy



Original Color

61.9502, 0.3471, 0.4808



Protanomaly

61.1096, 0.3846, 0.4586



Deuteranomaly

60.5554, 0.3963, 0.4404



Tritanomaly

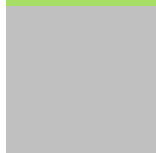
61.4021, 0.3086, 0.3715

Monochromacy



Original Color

61.9502, 0.3471, 0.4808



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

55.2824, 0.3287, 0.3855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.9502, 0.3471, 0.4808 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(167, 223, 102)` looks like.

```
.text, #text, p{  
    color:rgb(167, 223, 102)  
}
```

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(167, 223, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 223, 102) }
```

Border

The CSS property to change the border of an element to Yxy 61.9502, 0.3471, 0.4808 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(167, 223, 102) }
```

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

```
.border{ border-color:rgb(167, 223, 102) }
```

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

Here you see how a box with a 4 pixel rgb(167, 223, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 223, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 223, 102);  
box-shadow:4px 4px 4px 4px rgb(167, 223,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 61.9502, 0.3471, 0.4808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 223, 102) }
```

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

```
.background{ background-color: rgb(167,  
223, 102) }
```

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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