

Converting Colors

Yxy(62.0785, 0.3325, 0.4880)

Have a look what the booklet for
Yxy(62.0785, 0.3325, 0.4880)
contains.

Yxy(61.7817, 0.3323, 0.4877)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(61.7817, 0.3323, 0.4877)

Conversions

Conversions Part 1

Format	Color
Hex	95E268
RGB	149, 226, 104
RGB Percent	58%, 89%, 41%
CMY	0.4155, 0.1137, 0.5922
CMYK	0.34, 0.00, 0.54, 0.11
HSL	98°, 68%, 65%
HSV	98°, 54%, 89%
XYZ	42.0957, 61.7817, 22.8023
YIQ	189.0690, -6.7300, -54.2660

Conversions

Conversions Part 2

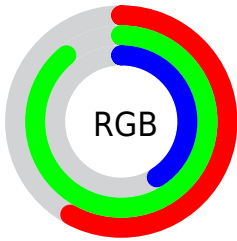
Format	Color
RYB	104, 226, 181
Decimal	9822824
CIELab	82.80, -44.72, 51.57
CIELCh	83, 68.262, 130.932
Yxy	61.7817, 0.3323, 0.4877
Android (android.graphics.Color)	4288012904 (0xFF95E268)
YUV	189.0690, -41.9390, -35.1405
Hunter-Lab	78.6013, -41.9550, 37.8208

Details

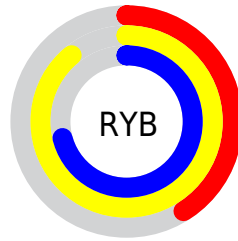
The Yxy color **61.7817, 0.3323, 0.4877** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **25.2093, 0.2738, 0.1830**, and the grayscale version is **51.1847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1104, 0.3367, 0.4353**, and **31.3156, 0.3306, 0.5312** is the 20% darker color. If you saturate the color by 10%, you get **60.1247, 0.3326, 0.5174**, and if you desaturate by 10%, it is **63.7312, 0.3304, 0.4562**.

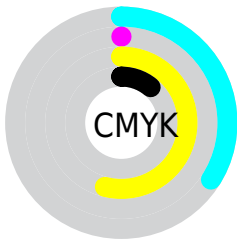
Distribution



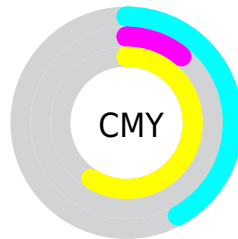
- Red (58%)
- Green (89%)
- Blue (41%)



- Red (41%)
- Yellow (89%)
- Blue (71%)



- Cyan (34%)
- Magenta (0%)
- Yellow (54%)
- Black (11%)




- Cyan (42%)
- Magenta (11%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.7817, 0.3323, 0.4877 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 61.7817, 0.3323, 0.4877 by changing the saturation by 10% instead.


 61.7817, 0.3323,
0.4877


 61.7817, 0.3323,
0.4877


431.1344, 0.3273,
0.4080


 44.8563, 0.3320,
0.5070


 107.4100, 0.3317,
0.4590


 31.3443, 0.3306,
0.5313


 136.8816, 0.3311,
0.4481

 20.8611, 0.3272,
0.5622


 171.3042, 0.3304,
0.4389

 13.0225, 0.3198,
0.6024

 211.0621, 0.3297,
0.4309

 7.4441, 0.3071,
0.6620

256.5397, 0.3291,
0.4240

 3.7413, 0.2720,
0.7280

308.1213, 0.3285,

 1.5299, 0.1428,

0.4180

0.8572

366.1914, 0.3278,
0.4127

■ 0.3097, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.7817, 0.3323,
0.4877

■ 61.7817, 0.3323,
0.4877

■ 60.1247, 0.3326,
0.5174

■ 63.7312, 0.3304,
0.4562

■ 58.7362, 0.3312,
0.5434


■ 65.9798, 0.3274,
0.4245

■ 57.6010, 0.3279,
0.5640


■ 68.5436, 0.3235,
0.3938


■ 56.6983, 0.3231,
0.5782


■ 71.4352, 0.3192,
0.3651

 56.2503, 0.3199,
0.5842

 74.6664, 0.3146,
0.3388

 78.2485, 0.3099,
0.3150

 81.7196, 0.3099,
0.3005

 82.8709, 0.3140,
0.3009

Harmonies

Analogous

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



61.7817, 0.4107, 0.4741



61.7817, 0.3323, 0.4877



61.7817, 0.2530, 0.4357

Triad

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



61.7817, 0.3323, 0.4877



61.7817, 0.1735, 0.2145



61.7817, 0.4422, 0.3001

Complementary

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



61.7817, 0.3323, 0.4877



25.2093, 0.2738, 0.1830

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.



61.7817, 0.3605, 0.2484



61.7817, 0.3323, 0.4877



61.7817, 0.2085, 0.2006

Square

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



61.7817, 0.3323, 0.4877



61.7817, 0.1682, 0.2606



61.7817, 0.2735, 0.2132



61.7817, 0.4825, 0.3602

Rectangle

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



61.7817, 0.3323, 0.4877



61.7817, 0.2105, 0.3741



61.7817, 0.2735, 0.2132



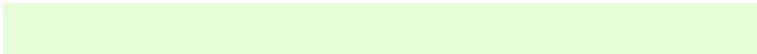
61.7817, 0.4179, 0.2815

Sweetspot

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



61.7844, 0.3323, 0.4877



93.0869, 0.3201, 0.3710



49.5008, 0.4185, 0.4141



19.7522, 0.3211, 0.3769



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.



61.7844, 0.3323, 0.4877



78.7725, 0.3325, 0.5214



58.6476, 0.2979, 0.4829



15.5824, 0.3171, 0.3528



32.1538, 0.3210, 0.5833



2.2784, 0.3331, 0.5737

Inverse Universe

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



25.2093, 0.2738, 0.1830



25.8490, 0.2626, 0.1548



30.8105, 0.3333, 0.2132



13.6695, 0.3079, 0.3055



6.5109, 0.2304, 0.1043



0.5017, 0.2443, 0.1120

Previews

White Background



This preview shows how the Yxy color 61.7817, 0.3323, 0.4877 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 61.7817, 0.3323, 0.4877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

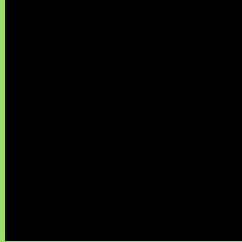
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.7817, 0.3323, 0.4877

Background



This preview shows how black text looks on a background with the Yxy color 61.7817, 0.3323, 0.4877.

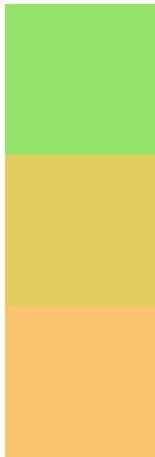


This preview shows how white text looks on a background with the Yxy color 61.7817, 0.3323, 0.4877.

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

61.7817, 0.3323, 0.4877

Protanopia

60.8566, 0.4074, 0.4454

Deuteranopia

61.1589, 0.4235, 0.4148



Tritanopia

61.7367, 0.2721, 0.3086

Trichromacy



Original Color

61.7817, 0.3323, 0.4877



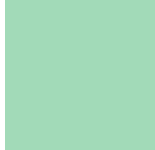
Protanomaly

60.6507, 0.3777, 0.4614



Deuteranomaly

60.0259, 0.3880, 0.4410



Tritanomaly

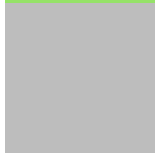
61.2849, 0.2955, 0.3725

Monochromacy



Original Color

61.7817, 0.3323, 0.4877



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

53.7084, 0.3224, 0.3869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.7817, 0.3323, 0.4877 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(149, 226, 104)` looks like.

```
.text, #text, p{  
    color:rgb(149, 226, 104)  
}
```

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(149, 226, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 226, 104) }
```

Border

The CSS property to change the border of an element to Yxy 61.7817, 0.3323, 0.4877 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(149, 226, 104) }
```

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

```
.border{ border-color:rgb(149, 226, 104) }
```

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

Here you see how a box with a 4 pixel rgb(149, 226, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 226, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 226, 104);  
box-shadow:4px 4px 4px 4px rgb(149, 226,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 61.7817, 0.3323, 0.4877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 226, 104) }
```

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

```
.background{ background-color: rgb(149,  
226, 104) }
```

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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