

Converting Colors

Yxy(58.9000, 0.3405, 0.4803)

Have a look what the booklet for
Yxy(58.9000, 0.3405, 0.4803)
contains.

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Color

Yxy(58.8104, 0.3403, 0.4802)

Conversions

Conversions Part 1

Format	Color
Hex	9DDB67
RGB	157, 219, 103
RGB Percent	62%, 86%, 40%
CMY	0.3845, 0.1411, 0.5961
CMYK	0.28, 0.00, 0.53, 0.14
HSL	92°, 62%, 63%
HSV	92°, 53%, 86%
XYZ	41.6768, 58.8104, 21.9835
YIQ	187.2380, 0.2840, -49.2200

Conversions

Conversions Part 2

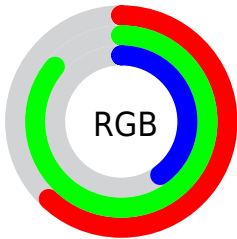
Format	Color
RYB	103, 219, 165
Decimal	10345319
CIELab	81.19, -39.05, 50.23
CIElCh	81, 63.628, 127.861
Yxy	58.8104, 0.3403, 0.4802
Android (android.graphics.Color)	4288535399 (0xFF9DDB67)
YUV	187.2380, -41.5293, -26.5187
Hunter-Lab	76.6879, -37.1964, 36.6854

Details

The Yxy color **58.8104, 0.3403, 0.4802** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **22.8189, 0.2639, 0.1816**, and the grayscale version is **50.0697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2505, 0.3426, 0.4345**, and **29.6060, 0.3412, 0.5226** is the 20% darker color. If you saturate the color by 10%, you get **57.3073, 0.3420, 0.5086**, and if you desaturate by 10%, it is **60.5468, 0.3369, 0.4501**.

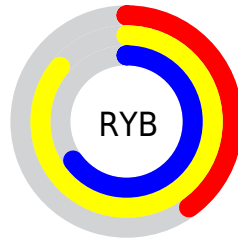
Distribution



Red (62%)

Green (86%)

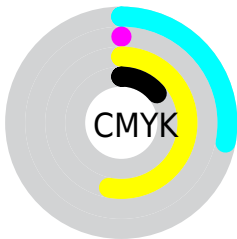
Blue (40%)



Red (40%)

Yellow (86%)

Blue (65%)

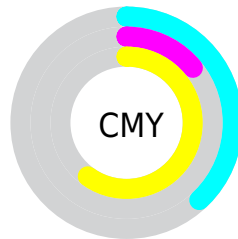


Cyan (28%)

Magenta (0%)

Yellow (53%)

Black (14%)



Cyan (38%)


Magenta (14%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.8104, 0.3403, 0.4802 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 58.8104, 0.3403, 0.4802 by changing the saturation by 10% instead.


 58.8104, 0.3403,
0.4802


 58.8104, 0.3403,
0.4802


420.1989, 0.3310,
0.4041

 42.4605, 0.3410,
0.4987


 103.1021, 0.3381,
0.4528


 29.4621, 0.3411,
0.5219


 131.8126, 0.3369,
0.4424

 19.4306, 0.3394,
0.5515


 165.4122, 0.3357,
0.4336

 11.9819, 0.3342,
0.5900

 204.2851, 0.3347,
0.4260

 6.7313, 0.3260,
0.6501

248.8159, 0.3336,
0.4195

 3.2946, 0.2914,
0.7086

299.3889, 0.3327,

 1.2874, 0.1481,

0.4137

0.8519

356.3884, 0.3318,
0.4086

■ 0.1314, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.8104, 0.3403,
0.4802

■ 58.8104, 0.3403,
0.4802

■ 57.3073, 0.3420,
0.5086

■ 60.5468, 0.3369,
0.4501

■ 56.0174, 0.3418,
0.5336


■ 62.5200, 0.3322,
0.4196

■ 54.9294, 0.3394,
0.5537

■ 64.7430, 0.3267,
0.3900

■ 54.0270, 0.3350,
0.5681

■ 67.2255, 0.3207,
0.3621


 53.4873, 0.3312,
0.5752

 69.9765, 0.3146,
0.3362

 73.0047, 0.3084,
0.3127

 76.2343, 0.3033,
0.2928

 78.3396, 0.3114,
0.2937

 79.1507, 0.3144,
0.2940

Harmonies

Analogous

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



58.8104, 0.4138, 0.4636



58.8104, 0.3403, 0.4802



58.8104, 0.2636, 0.4370

Triad

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



58.8104, 0.3403, 0.4802



58.8104, 0.1775, 0.2229



58.8104, 0.4288, 0.2963

Complementary

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



58.8104, 0.3403, 0.4802



22.8189, 0.2639, 0.1816

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.



58.8104, 0.3494, 0.2477



58.8104, 0.3403, 0.4802



58.8104, 0.2085, 0.2062

Square

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



58.8104, 0.3403, 0.4802



58.8104, 0.1756, 0.2711



58.8104, 0.2681, 0.2159



58.8104, 0.4724, 0.3538

Rectangle

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



58.8104, 0.3403, 0.4802



58.8104, 0.2211, 0.3812



58.8104, 0.2681, 0.2159



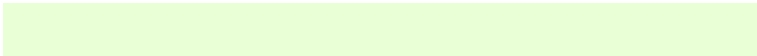
58.8104, 0.4048, 0.2787

Sweetspot

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



58.8130, 0.3403, 0.4802



93.7385, 0.3226, 0.3707



42.9048, 0.4225, 0.4020



19.9069, 0.3239, 0.3765



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.



58.8130, 0.3403, 0.4802



80.5814, 0.3421, 0.5128



54.6122, 0.3029, 0.4928



14.9015, 0.3185, 0.3527



31.7745, 0.3323, 0.5744



2.1094, 0.3450, 0.5643

Inverse Universe

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



22.8189, 0.2639, 0.1816



24.4351, 0.2497, 0.1507



29.6748, 0.3226, 0.2065



12.9584, 0.3064, 0.3054



5.3470, 0.2097, 0.0929



0.3975, 0.2269, 0.1024

Previews

White Background



This preview shows how the Yxy color 58.8104, 0.3403, 0.4802 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 58.8104, 0.3403, 0.4802 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 58.8104, 0.3403, 0.4802

Background



This preview shows how black text looks on a background with the Yxy color 58.8104, 0.3403, 0.4802.

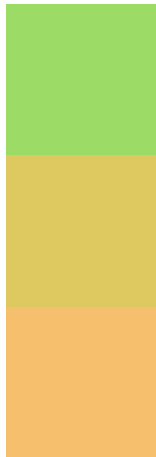


This preview shows how white text looks on a background with the Yxy color 58.8104, 0.3403, 0.4802.

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

58.8104, 0.3403, 0.4802

Protanopia

58.1660, 0.4057, 0.4438

Deuteranopia

57.9802, 0.4239, 0.4134



Tritanopia

58.4690, 0.2787, 0.3083

Trichromacy



Original Color

58.8104, 0.3403, 0.4802



Protanomaly

58.0184, 0.3800, 0.4583



Deuteranomaly

57.1310, 0.3925, 0.4373



Tritanomaly

58.1680, 0.3028, 0.3702

Monochromacy



Original Color

58.8104, 0.3403, 0.4802



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

52.4773, 0.3258, 0.3857

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8104, 0.3403, 0.4802 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(157, 219, 103)` looks like.

```
.text, #text, p{  
    color:rgb(157, 219, 103)  
}
```

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(157, 219, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 219, 103) }
```

Border

The CSS property to change the border of an element to Yxy 58.8104, 0.3403, 0.4802 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(157, 219, 103) }
```

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

```
.border{ border-color:rgb(157, 219, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 219, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 219, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 219, 103);  
box-shadow:4px 4px 4px 4px rgb(157, 219,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8104, 0.3403, 0.4802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 219, 103) }
```

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

```
.background{ background-color: rgb(157,  
219, 103) }
```

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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