

Converting Colors

$Yxy(45.3845, 0.3340, 0.4566)$

Have a look what the booklet for
Yxy(45.3845, 0.3340, 0.4566)
contains.

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Color

Yxy(45.4847, 0.3338, 0.4562)

Conversions

Conversions Part 1

Format	Color
Hex	8FC26B
RGB	143, 194, 107
RGB Percent	56%, 76%, 42%
CMY	0.4390, 0.2392, 0.5803
CMYK	0.26, 0.00, 0.45, 0.24
HSL	95°, 42%, 59%
HSV	95°, 45%, 76%
XYZ	33.2810, 45.4847, 20.9377
YIQ	168.8330, -2.4690, -37.8690

Conversions

Conversions Part 2

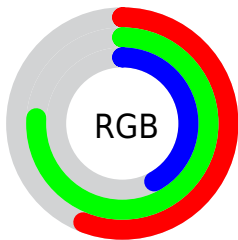
Format	Color
RYB	107, 194, 158
Decimal	9421419
CIELab	73.21, -32.11, 38.37
CIELCh	73, 50.033, 129.923
Yxy	45.4847, 0.3338, 0.4562
Android (android.graphics.Color)	4287611499 (0xFF8FC26B)
YUV	168.8330, -30.4837, -22.6555
Hunter-Lab	67.4423, -29.9391, 28.8028

Details

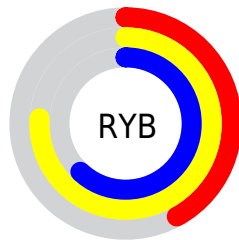
The Yxy color **45.4847, 0.3338, 0.4562** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **21.6761, 0.2785, 0.2075**, and the grayscale version is **39.7504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5382, 0.3311, 0.4313**, and **21.2252, 0.3351, 0.4963** is the 20% darker color. If you saturate the color by 10%, you get **44.1595, 0.3362, 0.4867**, and if you desaturate by 10%, it is **47.0082, 0.3301, 0.4253**.

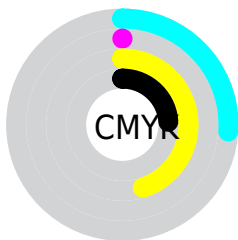
Distribution



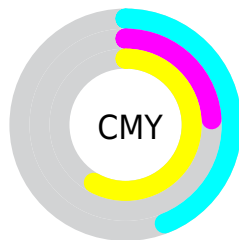
- Red (56%)
- Green (76%)
- Blue (42%)



- Red (42%)
- Yellow (76%)
- Blue (62%)



- Cyan (26%)
- Magenta (0%)
- Yellow (45%)
- Black (24%)




- Cyan (44%)
- Magenta (24%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4847, 0.3338, 0.4562 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 45.4847, 0.3338, 0.4562 by changing the saturation by 10% instead.


 45.4847, 0.3338,
0.4562


 45.4847, 0.3338,
0.4562


368.7331, 0.3258,
0.3894

 31.8394, 0.3347,
0.4736


 83.4473, 0.3316,
0.4313


 21.2388, 0.3351,
0.4962


 108.5333, 0.3306,
0.4221

 13.2987, 0.3342,
0.5264


 138.2017, 0.3296,
0.4144

 7.6346, 0.3301,
0.5682

 172.8369, 0.3287,
0.4079

 3.8620, 0.3291,
0.6515

212.8232, 0.3279,
0.4023

 1.5967, 0.2752,
0.7248

258.5451, 0.3272,

 0.3554, 0.0000,

0.3974

1.0000

310.3869, 0.3265,
0.3931

■ 0.0000, 0.0000,
0.0000

■ 45.4847, 0.3338,
0.4562

■ 45.4847, 0.3338,
0.4562

■ 44.1595, 0.3362,
0.4867

■ 47.0082, 0.3301,
0.4253

■ 43.0173, 0.3370,
0.5153

■ 48.7325, 0.3256,
0.3953

■ 42.0501, 0.3360,
0.5404


■ 50.6676, 0.3206,
0.3670


■ 41.2464, 0.3330,
0.5603

■ 52.8210, 0.3153,
0.3408


■ 40.5928, 0.3282,
0.5742

■ 55.1998, 0.3100,
0.3170

 40.3028, 0.3255,
0.5797

 57.8108, 0.3048,
0.2957

 60.6604, 0.2998,
0.2766

 63.2819, 0.2999,
0.2663

 65.2661, 0.3083,
0.2679

Harmonies

Analogous

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



45.4847, 0.3982, 0.4485



45.4847, 0.3338, 0.4562



45.4847, 0.2672, 0.4156

Triad

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



45.4847, 0.3338, 0.4562



45.4847, 0.1949, 0.2352



45.4847, 0.4160, 0.3048

Complementary

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



45.4847, 0.3338, 0.4562



21.6761, 0.2785, 0.2075

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.



45.4847, 0.3499, 0.2605



45.4847, 0.3338, 0.4562



45.4847, 0.2246, 0.2211

Square

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



45.4847, 0.3338, 0.4562



45.4847, 0.1917, 0.2765



45.4847, 0.2790, 0.2308



45.4847, 0.4510, 0.3567

Rectangle

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



45.4847, 0.3338, 0.4562



45.4847, 0.2306, 0.3686



45.4847, 0.2790, 0.2308



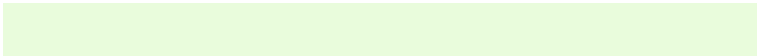
45.4847, 0.3962, 0.2888

Sweetspot

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



45.4867, 0.3338, 0.4562



92.4143, 0.3197, 0.3625



36.8987, 0.3985, 0.3965



20.0544, 0.3209, 0.3687



0.0000, 0.0000, 0.0000



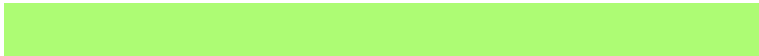
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.4867, 0.3338, 0.4562



80.0088, 0.3362, 0.4868



42.9275, 0.3018, 0.4561



11.4581, 0.3177, 0.3524



26.5459, 0.3265, 0.5790



1.1873, 0.3447, 0.5645

Inverse Universe

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



21.6761, 0.2785, 0.2075



31.3068, 0.2681, 0.1799



25.5630, 0.3257, 0.2285



10.0328, 0.3073, 0.3058



4.9445, 0.2210, 0.0991



0.2533, 0.2431, 0.1113

Previews

White Background



This preview shows how the Yxy color 45.4847, 0.3338, 0.4562 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 45.4847, 0.3338, 0.4562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

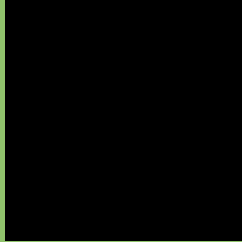
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.4847, 0.3338, 0.4562

Background



This preview shows how black text looks on a background with the Yxy color 45.4847, 0.3338, 0.4562.



This preview shows how white text looks on a background with the Yxy color 45.4847, 0.3338, 0.4562.

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

45.4847, 0.3338, 0.4562

Protanopia

45.0698, 0.3931, 0.4264

Deuteranopia

44.8946, 0.4080, 0.3998



Tritanopia

45.5263, 0.2809, 0.3101

Trichromacy



Original Color

45.4847, 0.3338, 0.4562

Protanomaly

44.6276, 0.3699, 0.4370

Deuteranomaly

44.1848, 0.3792, 0.4197

Tritanomaly

45.3585, 0.3007, 0.3616

Monochromacy



Original Color

45.4847, 0.3338, 0.4562

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.3897, 0.3228, 0.3752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4847, 0.3338, 0.4562 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(143, 194, 107)` looks like.

```
.text, #text, p{  
    color:rgb(143, 194, 107)  
}
```

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(143, 194, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 194, 107) }
```

Border

The CSS property to change the border of an element to Yxy 45.4847, 0.3338, 0.4562 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(143, 194, 107) }
```

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

```
.border{ border-color:rgb(143, 194, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 194, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 194, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 194, 107);  
box-shadow:4px 4px 4px 4px rgb(143, 194,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4847, 0.3338, 0.4562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 194, 107) }
```

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

```
.background{ background-color: rgb(143,  
194, 107) }
```

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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