

Converting Colors

Yxy(44.9333, 0.3339, 0.4549)

Have a look what the booklet for
Yxy(44.9333, 0.3339, 0.4549)
contains.

Yxy(45.0411, 0.3340, 0.4552)	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(45.0411, 0.3340, 0.4552)

Conversions

Conversions Part 1

Format	Color
Hex	8FC16B
RGB	143, 193, 107
RGB Percent	56%, 76%, 42%
CMY	0.4393, 0.2431, 0.5804
CMYK	0.26, 0.00, 0.45, 0.24
HSL	95°, 41%, 59%
HSV	95°, 45%, 76%
XYZ	33.0486, 45.0411, 20.8582
YIQ	168.2460, -2.1940, -37.3460

Conversions

Conversions Part 2

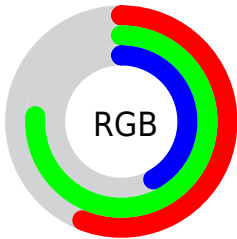
Format	Color
RYB	107, 193, 157
Decimal	9421163
CIELab	72.92, -31.68, 38.02
CIELCh	73, 49.484, 129.803
Yxy	45.0411, 0.3340, 0.4552
Android (android.graphics.Color)	4287611243 (0xFF8FC16B)
YUV	168.2460, -30.1943, -22.1407
Hunter-Lab	67.1127, -29.5476, 28.5519

Details

The Yxy color **45.0411, 0.3340, 0.4552** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **21.5334, 0.2784, 0.2082**, and the grayscale version is **39.4358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9150, 0.3313, 0.4304**, and **20.9343, 0.3355, 0.4951** is the 20% darker color. If you saturate the color by 10%, you get **43.7291, 0.3365, 0.4857**, and if you desaturate by 10%, it is **46.5479, 0.3302, 0.4244**.

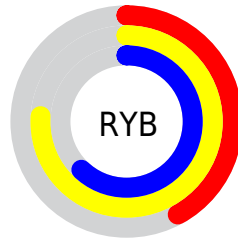
Distribution



Red (56%)

Green (76%)

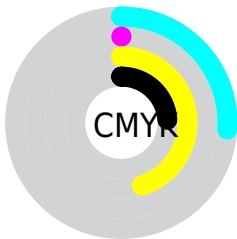
Blue (42%)



Red (42%)

Yellow (76%)

Blue (62%)

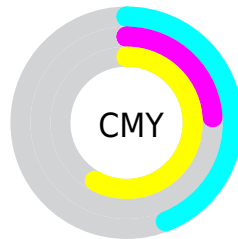


Cyan (26%)

Magenta (0%)

Yellow (45%)

Black (24%)



Cyan (44%)


Magenta (24%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0411, 0.3340, 0.4552 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 45.0411, 0.3340, 0.4552 by changing the saturation by 10% instead.


 45.0411, 0.3340,
0.4552

 45.0411, 0.3340,
0.4552


366.9400, 0.3259,
0.3888

 31.4898, 0.3350,
0.4725


 82.7821, 0.3318,
0.4304

 20.9721, 0.3355,
0.4950

 107.7406, 0.3307,
0.4213

 13.1036, 0.3347,
0.5252


 137.2702, 0.3297,
0.4137

 7.4999, 0.3307,
0.5670

 171.7554, 0.3288,
0.4072

 3.7767, 0.3305,
0.6514

211.5806, 0.3280,
0.4016

 1.5494, 0.2744,
0.7256

257.1302, 0.3272,

 0.3231, 0.0000,

0.3968

1.0000

308.7885, 0.3265,
0.3926

0.0000, 0.0000,
0.0000

45.0411, 0.3340,
0.4552

45.0411, 0.3340,
0.4552

43.7291, 0.3365,
0.4857

46.5479, 0.3302,
0.4244

42.5971, 0.3374,
0.5143

48.2520, 0.3256,
0.3944

41.6369, 0.3365,
0.5394


50.1632, 0.3205,
0.3662


40.8376, 0.3336,
0.5594

52.2888, 0.3152,
0.3401

40.1861, 0.3289,
0.5735

54.6357, 0.3098,
0.3164

 39.8825, 0.3260,
0.5793

 57.2106, 0.3046,
0.2951

 60.0198, 0.2995,
0.2761

 62.6505, 0.2990,
0.2652

 64.5978, 0.3073,
0.2667

Harmonies

Analogous

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



45.0411, 0.3979, 0.4475



45.0411, 0.3340, 0.4552



45.0411, 0.2678, 0.4151

Triad

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



45.0411, 0.3340, 0.4552



45.0411, 0.1956, 0.2360



45.0411, 0.4150, 0.3048

Complementary

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



45.0411, 0.3340, 0.4552



21.5334, 0.2784, 0.2082

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.



45.0411, 0.3493, 0.2608



45.0411, 0.3340, 0.4552



45.0411, 0.2251, 0.2218

Square

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



45.0411, 0.3340, 0.4552



45.0411, 0.1926, 0.2772



45.0411, 0.2790, 0.2314



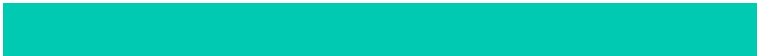
45.0411, 0.4498, 0.3564

Rectangle

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



45.0411, 0.3340, 0.4552



45.0411, 0.2314, 0.3686



45.0411, 0.2790, 0.2314



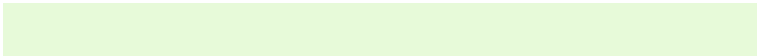
45.0411, 0.3954, 0.2890

Sweetspot

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



45.0431, 0.3340, 0.4552



90.3304, 0.3198, 0.3625



36.0875, 0.3987, 0.3943



19.2058, 0.3210, 0.3686



97.7402, 0.3127, 0.3290



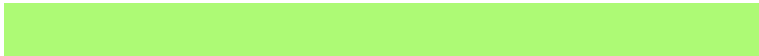
20.4902, 0.3127, 0.3290

Same Dimension

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



45.0431, 0.3340, 0.4552



78.4738, 0.3364, 0.4835



42.4549, 0.3028, 0.4574



11.4601, 0.3178, 0.3524



26.5687, 0.3270, 0.5786



1.1884, 0.3452, 0.5641

Inverse Universe

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



21.5334, 0.2784, 0.2082



31.2573, 0.2688, 0.1825



25.4513, 0.3240, 0.2275



10.0307, 0.3072, 0.3058



4.9105, 0.2201, 0.0986



0.2519, 0.2424, 0.1109

Previews

White Background



This preview shows how the Yxy color 45.0411, 0.3340, 0.4552 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 45.0411, 0.3340, 0.4552 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 45.0411, 0.3340, 0.4552

Background



This preview shows how black text looks on a background with the Yxy color 45.0411, 0.3340, 0.4552.



This preview shows how white text looks on a background with the Yxy color 45.0411, 0.3340, 0.4552.

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

45.0411, 0.3340, 0.4552

Protanopia

44.5359, 0.3927, 0.4257

Deuteranopia

44.3664, 0.4076, 0.3990



Tritanopia

45.0663, 0.2815, 0.3101

Trichromacy



Original Color

45.0411, 0.3340, 0.4552

Protanomaly

44.2136, 0.3703, 0.4359

Deuteranomaly

43.7854, 0.3797, 0.4185

Tritanomaly

44.8964, 0.3015, 0.3617

Monochromacy



Original Color

45.0411, 0.3340, 0.4552

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.8905, 0.3220, 0.3740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0411, 0.3340, 0.4552 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, 193, 107)` looks like.

```
.text, #text, p{  
    color:rgb(143, 193, 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, 193, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 193, 107) }
```

Border

The CSS property to change the border of an element to Yxy 45.0411, 0.3340, 0.4552 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, 193, 107) }
```

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

```
.border{ border-color:rgb(143, 193, 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, 193, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 193, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 193, 107);  
box-shadow:4px 4px 4px 4px rgb(143, 193,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0411, 0.3340, 0.4552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 193, 107) }
```

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

```
.background{ background-color: rgb(143,  
193, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor