

Converting Colors

$Yxy(45.3609, 0.3488, 0.4394)$

Have a look what the booklet for
Yxy(45.3609, 0.3488, 0.4394)
contains.

Yxy(45.2243, 0.3490, 0.4388)	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(45.2243, 0.3490, 0.4388)

Conversions

Conversions Part 1

Format	Color
Hex	A2BD6F
RGB	162, 189, 111
RGB Percent	64%, 74%, 44%
CMY	0.3646, 0.2588, 0.5647
CMYK	0.14, 0.00, 0.41, 0.26
HSL	81°, 37%, 59%
HSV	81°, 41%, 74%
XYZ	35.9692, 45.2243, 21.8701
YIQ	172.0350, 8.9460, -29.9820

Conversions

Conversions Part 2

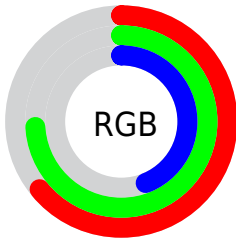
Format	Color
RYB	111, 189, 138
Decimal	10665327
CIELab	73.04, -22.13, 36.39
CIELCh	73, 42.589, 121.306
Yxy	45.2243, 0.3490, 0.4388
Android (android.graphics.Color)	4288855407 (0xFFA2BD6F)
YUV	172.0350, -30.0903, -8.8007
Hunter-Lab	67.2490, -22.2123, 27.7926

Details

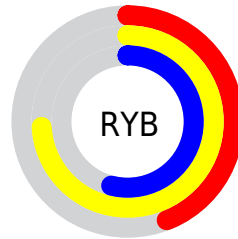
The Yxy color **45.2243, 0.3490, 0.4388** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **20.4434, 0.2625, 0.2117**, and the grayscale version is **41.4274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8906, 0.3436, 0.4172**, and **21.1965, 0.3560, 0.4730** is the 20% darker color. If you saturate the color by 10%, you get **44.1860, 0.3558, 0.4660**, and if you desaturate by 10%, it is **46.3903, 0.3409, 0.4110**.

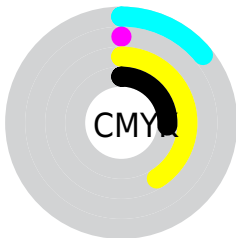
Distribution



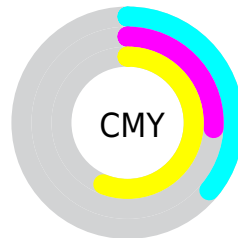
- Red (64%)
- Green (74%)
- Blue (44%)



- Red (44%)
- Yellow (74%)
- Blue (54%)



- Cyan (14%)
- Magenta (0%)
- Yellow (41%)
- Black (26%)




- Cyan (36%)
- Magenta (26%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2243, 0.3490, 0.4388 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 45.2243, 0.3490, 0.4388 by changing the saturation by 10% instead.

 45.2243, 0.3490,
0.4388


 45.2243, 0.3490,
0.4388


367.6812, 0.3327,
0.3819


 31.6341, 0.3523,
0.4534


 83.0569, 0.3436,
0.4178


 21.0822, 0.3559,
0.4721


 108.0681, 0.3414,
0.4100

 13.1841, 0.3595,
0.4970

 137.6551, 0.3395,
0.4034

 7.5554, 0.3622,
0.5310

 172.2024, 0.3378,
0.3979

 3.8118, 0.3698,
0.5939

212.0942, 0.3363,
0.3930

 1.5689, 0.3465,
0.6535

257.7150, 0.3349,

 0.3365, 0.0000,

0.3888

1.0000

309.4492, 0.3337,
0.3852

0.0000, 0.0000,
0.0000

45.2243, 0.3490,
0.4388

45.2243, 0.3490,
0.4388

44.1860, 0.3558,
0.4660

46.3903, 0.3409,
0.4110

43.2632, 0.3610,
0.4913

47.6837, 0.3321,
0.3834

42.4511, 0.3640,
0.5134

49.1116, 0.3230,
0.3569


41.7422, 0.3646,
0.5314

50.6790, 0.3139,
0.3320

41.1272, 0.3627,
0.5445


52.3905, 0.3050,
0.3090

 40.6524, 0.3596,
0.5526

 54.2505, 0.2964,
0.2879

 56.2631, 0.2884,
0.2688

 57.9602, 0.2855,
0.2582

 58.9658, 0.2902,
0.2592

Harmonies

Analogous

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



45.2243, 0.4007, 0.4248



45.2243, 0.3490, 0.4388



45.2243, 0.2903, 0.4153

Triad

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



45.2243, 0.3490, 0.4388



45.2243, 0.2068, 0.2564



45.2243, 0.3865, 0.2966

Complementary

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



45.2243, 0.3490, 0.4388



20.4434, 0.2625, 0.2117

Split Complementary

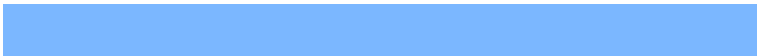
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.2243, 0.3270, 0.2604



45.2243, 0.3490, 0.4388



45.2243, 0.2266, 0.2366

Square

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



45.2243, 0.3490, 0.4388



45.2243, 0.2113, 0.2998



45.2243, 0.2687, 0.2389



45.2243, 0.4257, 0.3413

Rectangle

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



45.2243, 0.3490, 0.4388



45.2243, 0.2552, 0.3805



45.2243, 0.2687, 0.2389



45.2243, 0.3679, 0.2833

Sweetspot

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



45.2263, 0.3490, 0.4388



87.7126, 0.3239, 0.3593



29.8569, 0.4013, 0.3653



18.7883, 0.3250, 0.3627



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



45.2263, 0.3490, 0.4388



79.2194, 0.3556, 0.4647



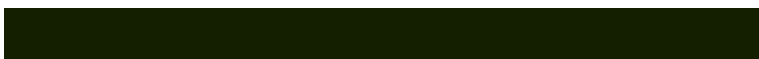
41.8280, 0.3167, 0.4509



10.9509, 0.3212, 0.3520



27.3956, 0.3604, 0.5520



1.1081, 0.3749, 0.5406

Inverse Universe

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



20.4434, 0.2625, 0.2117



28.5696, 0.2476, 0.1818



24.2720, 0.3030, 0.2244



9.3815, 0.3036, 0.3057



3.2756, 0.1774, 0.0751



0.1652, 0.2058, 0.0907

Previews

White Background



This preview shows how the Yxy color 45.2243, 0.3490, 0.4388 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 45.2243, 0.3490, 0.4388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

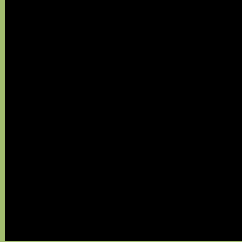
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2243, 0.3490, 0.4388

Background



This preview shows how black text looks on a background with the Yxy color 45.2243, 0.3490, 0.4388.



This preview shows how white text looks on a background with the Yxy color 45.2243, 0.3490, 0.4388.

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

45.2243, 0.3490, 0.4388

Protanopia

45.0375, 0.3882, 0.4210

Deuteranopia

44.8107, 0.4044, 0.3967



Tritanopia

44.9747, 0.2968, 0.3106

Trichromacy



Original Color

45.2243, 0.3490, 0.4388

Protanomaly

45.1400, 0.3740, 0.4284

Deuteranomaly

44.7915, 0.3832, 0.4114

Tritanomaly

44.9463, 0.3165, 0.3565

Monochromacy



Original Color

45.2243, 0.3490, 0.4388

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.3676, 0.3267, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2243, 0.3490, 0.4388 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(162, 189, 111)` looks like.

```
.text, #text, p{  
    color:rgb(162, 189, 111)  
}
```

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(162, 189, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 189, 111) }
```

Border

The CSS property to change the border of an element to Yxy 45.2243, 0.3490, 0.4388 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(162, 189, 111) }
```

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

```
.border{ border-color:rgb(162, 189, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 189, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 189, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 189, 111);  
box-shadow:4px 4px 4px 4px rgb(162, 189,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2243, 0.3490, 0.4388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 189, 111) }
```

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

```
.background{ background-color: rgb(162,  
189, 111) }
```

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