

# Converting Colors

$Yxy(45.0213, 0.3440, 0.4289)$

Have a look what the booklet for  
Yxy(45.0213, 0.3440, 0.4289)  
contains.

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# Color

**Yxy(44.9558, 0.3443, 0.4281)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2BC76
RGB	162, 188, 118
RGB Percent	64%, 74%, 46%
CMY	0.3646, 0.2627, 0.5374
CMYK	0.14, 0.00, 0.37, 0.26
HSL	82°, 34%, 60%
HSV	82°, 37%, 74%
XYZ	36.1558, 44.9558, 23.9008
YIQ	172.2460, 6.9740, -27.2820

# Conversions

## Conversions Part 2

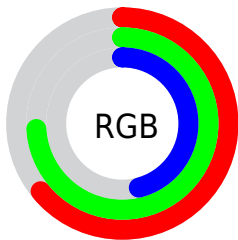
Format	Color
<b>RYB</b>	118, 188, 144
Decimal	10665078
CIELab	72.86, -20.74, 32.57
CIELCh	73, 38.611, 122.498
Yxy	44.9558, 0.3443, 0.4281
Android (android.graphics.Color)	4288855158 (0xFFA2BC76)
YUV	172.2460, -26.7433, -8.9857
Hunter-Lab	67.0491, -21.0810, 25.7994

# Details

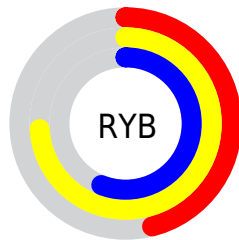
The Yxy color **44.9558, 0.3443, 0.4281** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **22.5044, 0.2703, 0.2249**, and the grayscale version is **41.5232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5471, 0.3397, 0.4086**, and **20.9965, 0.3505, 0.4596** is the 20% darker color. If you saturate the color by 10%, you get **43.8443, 0.3513, 0.4560**, and if you desaturate by 10%, it is **46.2008, 0.3363, 0.4000**.

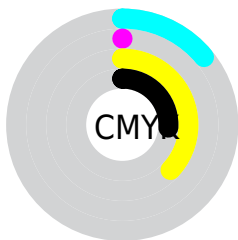
# Distribution



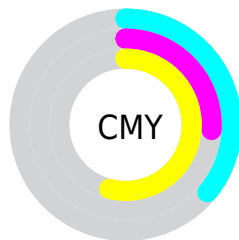
- Red (64%)
- Green (74%)
- Blue (46%)



- Red (46%)
- Yellow (74%)
- Blue (56%)



- Cyan (14%)
- Magenta (0%)
- Yellow (37%)
- Black (26%)




- Cyan (36%)
- Magenta (26%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9558, 0.3443, 0.4281 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 44.9558, 0.3443, 0.4281 by changing the saturation by 10% instead.





 44.9558, 0.3443,  
0.4281

 44.9558, 0.3443,  
0.4281

366.5945, 0.3299,  
0.3767


 31.4226, 0.3473,  
0.4414


 82.6541, 0.3395,  
0.4091

 20.9209, 0.3507,  
0.4585


 107.5880, 0.3375,  
0.4020

 13.0662, 0.3543,  
0.4815


 137.0909, 0.3358,  
0.3961

 7.4741, 0.3575,  
0.5134

171.5472, 0.3344,  
0.3910

 3.7603, 0.3618,  
0.5660

211.3413, 0.3330,  
0.3867

 1.5404, 0.3548,  
0.6452

256.8577, 0.3319,

 0.3169, 0.0000,

0.3829

1.0000

308.4806, 0.3308,  
0.3796

■ 0.0000, 0.0000,  
0.0000

■ 44.9558, 0.3443,  
0.4281

■ 44.9558, 0.3443,  
0.4281

■ 43.8443, 0.3513,  
0.4560

■ 46.2008, 0.3363,  
0.4000

■ 42.8545, 0.3567,  
0.4826

■ 47.5789, 0.3278,  
0.3727

■ 41.9817, 0.3602,  
0.5067

■ 49.0973, 0.3190,  
0.3467


■ 41.2186, 0.3614,  
0.5270


■ 50.7607, 0.3104,  
0.3225

■ 40.5567, 0.3602,  
0.5425

■ 52.5738, 0.3020,  
0.3003


 39.9844, 0.3567,  
0.5532

 54.5409, 0.2940,  
0.2801

 39.8371, 0.3557,  
0.5558

 56.6661, 0.2864,  
0.2618

 58.0623, 0.2880,  
0.2577

 59.1588, 0.2931,  
0.2587

# Harmonies

## Analogous

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



44.9558, 0.3918, 0.4177



44.9558, 0.3443, 0.4281



44.9558, 0.2907, 0.4050

# Triad

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



44.9558, 0.3443, 0.4281



44.9558, 0.2158, 0.2619



44.9558, 0.3817, 0.3011

# Complementary

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



44.9558, 0.3443, 0.4281



22.5044, 0.2703, 0.2249

# Split Complementary

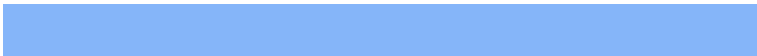
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



44.9558, 0.3282, 0.2671



44.9558, 0.3443, 0.4281



44.9558, 0.2350, 0.2440

# Square

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



44.9558, 0.3443, 0.4281



44.9558, 0.2192, 0.3010



44.9558, 0.2746, 0.2466



44.9558, 0.4161, 0.3427



# Rectangle

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



44.9558, 0.3443, 0.4281



44.9558, 0.2588, 0.3734



44.9558, 0.2746, 0.2466



44.9558, 0.3651, 0.2886

# Sweetspot

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



44.9578, 0.3443, 0.4281



87.8694, 0.3225, 0.3567



31.8383, 0.3888, 0.3649



18.8155, 0.3237, 0.3602



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.



44.9578, 0.3443, 0.4281



79.7522, 0.3503, 0.4518



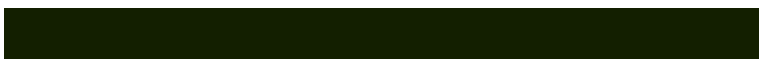
41.8093, 0.3147, 0.4379



10.9389, 0.3209, 0.3521



27.1666, 0.3564, 0.5552



1.1002, 0.3717, 0.5431



# Inverse Universe

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



22.5044, 0.2703, 0.2249



32.9797, 0.2579, 0.1985



26.1238, 0.3069, 0.2353



9.3931, 0.3040, 0.3057



3.3909, 0.1810, 0.0771



0.1704, 0.2095, 0.0928



# Previews

## White Background



This preview shows how the Yxy color 44.9558, 0.3443, 0.4281 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 44.9558, 0.3443, 0.4281 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 44.9558, 0.3443, 0.4281**

## Background



This preview shows how black text looks on a background with the Yxy color 44.9558, 0.3443, 0.4281.



This preview shows how white text looks on a background with the Yxy color 44.9558, 0.3443, 0.4281.

# 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

44.9558, 0.3443, 0.4281

### Protanopia

44.5250, 0.3813, 0.4120

### Deuteranopia

44.6771, 0.3964, 0.3891



## Tritanopia

44.8611, 0.2960, 0.3105

# Trichromacy



## Original Color

44.9558, 0.3443, 0.4281

## Protanomaly

44.6388, 0.3672, 0.4190

## Deuteranomaly

44.2941, 0.3760, 0.4020

## Tritanomaly

44.5339, 0.3134, 0.3510

# Monochromacy



## Original Color

44.9558, 0.3443, 0.4281

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

42.4326, 0.3251, 0.3656

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.9558, 0.3443, 0.4281 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, 188, 118)` looks like.

```
.text, #text, p{  
    color:rgb(162, 188, 118)  
}
```

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, 188, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 188, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 44.9558, 0.3443, 0.4281 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, 188, 118) }
```

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

```
.border{ border-color:rgb(162, 188, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 188, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 188, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 188, 118);  
box-shadow:4px 4px 4px 4px rgb(162, 188,  
118) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.9558, 0.3443, 0.4281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 188, 118) }
```

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

```
.background{ background-color: rgb(162,  
188, 118) }
```

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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