

# Converting Colors

$Yxy(45.3638, 0.2524, 0.3806)$

Have a look what the booklet for  
Yxy(45.3638, 0.2524, 0.3806)  
contains.

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# Color

**Yxy(45.3638, 0.2524, 0.3806)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45C8A7
RGB	69, 200, 167
RGB Percent	27%, 78%, 65%
CMY	0.7295, 0.2157, 0.3450
CMYK	0.66, 0.00, 0.16, 0.22
HSL	165°, 54%, 53%
HSV	165°, 66%, 78%
XYZ	30.0836, 45.3638, 43.7428
YIQ	157.0690, -67.4830, -38.0350

# Conversions

## Conversions Part 2

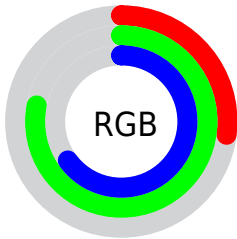
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 144, 200
Decimal	4573351
CIELab	73.13, -43.44, 6.10
CIElCh	73, 43.862, 172.007
Yxy	45.3638, 0.2524, 0.3806
Android (android.graphics.Color)	4282763431 (0xFF45C8A7)
YUV	157.0690, 4.8960, -77.2365
Hunter-Lab	67.3527, -38.1387, 8.6404

# Details

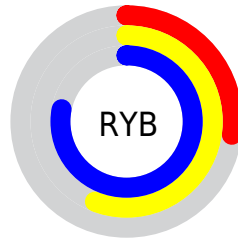
The Yxy color **45.3638, 0.2524, 0.3806** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **17.4904, 0.4703, 0.2902**, and the grayscale version is **33.7475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6192, 0.2630, 0.3681**, and **21.4886, 0.2431, 0.3952** is the 20% darker color. If you saturate the color by 10%, you get **44.5711, 0.2488, 0.3900**, and if you desaturate by 10%, it is **46.4137, 0.2579, 0.3714**.

# Distribution



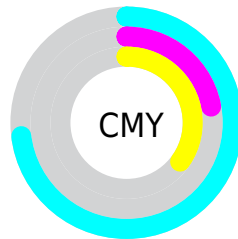
- Red (27%)
- Green (78%)
- Blue (65%)



- Red (27%)
- Yellow (56%)
- Blue (78%)



- Cyan (66%)
- Magenta (0%)
- Yellow (16%)
- Black (22%)




- Cyan (73%)
- Magenta (22%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3638, 0.2524, 0.3806 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 45.3638, 0.2524, 0.3806 by changing the saturation by 10% instead.





 45.3638, 0.2524,  
0.3806

 45.3638, 0.2524,  
0.3806


368.2450, 0.2829,  
0.3540


 31.7441, 0.2447,  
0.3875


 83.2661, 0.2635,  
0.3708

 21.1661, 0.2349,  
0.3964


 108.3174, 0.2677,  
0.3671


 13.2455, 0.2217,  
0.4086


 137.9480, 0.2712,  
0.3641

 7.5978, 0.2034,  
0.4260

 172.5424, 0.2742,  
0.3615

 3.8387, 0.1762,  
0.4528

 212.4849, 0.2768,  
0.3592

 1.5837, 0.1045,  
0.5151

258.1599, 0.2791,

 0.3466, 0.0000,

0.3573

1.0000

309.9518, 0.2811,  
0.3556

0.0000, 0.0000,  
0.0000

45.3638, 0.2524,  
0.3806

45.3638, 0.2524,  
0.3806

44.5711, 0.2488,  
0.3900

46.4137, 0.2579,  
0.3714

44.0042, 0.2472,  
0.3994

47.7378, 0.2651,  
0.3626

43.6330, 0.2475,  
0.4087

49.3579, 0.2738,  
0.3542

43.5020, 0.2480,  
0.4128

51.2919, 0.2838,  
0.3463

53.5565, 0.2947,  
0.3390

■ 56.1671, 0.3062,  
0.3324

■ 59.1381, 0.3181,  
0.3264

■ 62.4831, 0.3301,  
0.3210

■ 66.2149, 0.3422,  
0.3163

# Harmonies

## Analogous

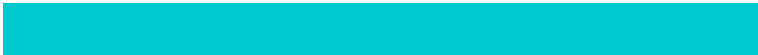
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.3638, 0.3079, 0.4299



45.3638, 0.2524, 0.3806



45.3638, 0.2153, 0.3168

# Triad

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



45.3638, 0.2524, 0.3806



45.3638, 0.2518, 0.2337



45.3638, 0.4361, 0.3742

# Complementary

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



45.3638, 0.2524, 0.3806



17.4904, 0.4703, 0.2902

# 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.



45.3638, 0.4199, 0.3267



45.3638, 0.2524, 0.3806



45.3638, 0.3077, 0.2500

# Square

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



45.3638, 0.2524, 0.3806



45.3638, 0.2155, 0.2379



45.3638, 0.3708, 0.2829



45.3638, 0.4155, 0.4169



# Rectangle

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



45.3638, 0.2524, 0.3806



45.3638, 0.2042, 0.2803



45.3638, 0.3708, 0.2829



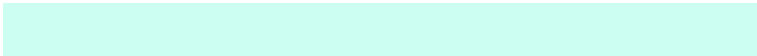
45.3638, 0.4349, 0.3584

# Sweetspot

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



45.3656, 0.2524, 0.3806



90.7781, 0.2894, 0.3424



44.6775, 0.3230, 0.5262



19.1953, 0.2863, 0.3445



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.



45.3656, 0.2524, 0.3806



76.6662, 0.2479, 0.3943



33.9702, 0.2246, 0.2810



12.0202, 0.3017, 0.3349



27.6738, 0.2477, 0.4115



1.3215, 0.2423, 0.3922



# Inverse Universe

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



17.4904, 0.4703, 0.2902



24.8611, 0.5269, 0.2908



21.7361, 0.4950, 0.3658



10.6800, 0.3251, 0.3232



7.9682, 0.5903, 0.3025

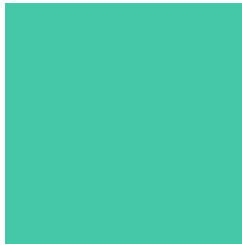


0.3894, 0.5291, 0.2688



# Previews

## White Background



This preview shows how the Yxy color 45.3638, 0.2524, 0.3806 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

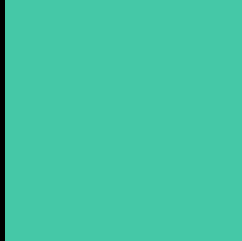
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.3638, 0.2524, 0.3806 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

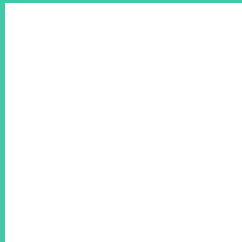
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.3638, 0.2524, 0.3806**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.3638, 0.2524, 0.3806.

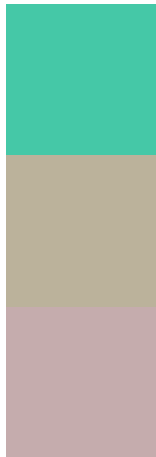


This preview shows how white text looks on a background with the Yxy color 45.3638, 0.2524, 0.3806.

# 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

45.3638, 0.2524, 0.3806

### Protanopia

44.7721, 0.3399, 0.3595

### Deuteranopia

44.3925, 0.3347, 0.3278



## Tritanopia

45.2630, 0.2355, 0.3059

# Trichromacy



## Original Color

45.3638, 0.2524, 0.3806



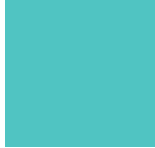
## Protanomaly

43.5503, 0.2988, 0.3684



## Deuteranomaly

42.8802, 0.2946, 0.3447



## Tritanomaly

45.0804, 0.2413, 0.3318

# Monochromacy



## Original Color

45.3638, 0.2524, 0.3806



## Achromatopsia

33.7164, 0.3127, 0.3290



## Achromatomaly

36.8203, 0.2817, 0.3477

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.3638, 0.2524, 0.3806 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(69, 200, 167)` looks like.

```
.text, #text, p{  
    color:rgb(69, 200, 167)  
}
```

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(69, 200, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 200, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 45.3638, 0.2524, 0.3806 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(69, 200, 167) }
```

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

```
.border{ border-color:rgb(69, 200, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 200, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 200, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 200, 167);  
box-shadow:4px 4px 4px 4px rgb(69, 200,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.3638, 0.2524, 0.3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 200, 167) }
```

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

```
.background{ background-color: rgb(69, 200,  
167) }
```

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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