

# Converting Colors

$Yxy(46.0692, 0.2747, 0.3664)$

Have a look what the booklet for  
Yxy(46.0692, 0.2747, 0.3664)  
contains.

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# Color

**Yxy(45.8544, 0.2744, 0.3660)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77C3AA
RGB	119, 195, 170
RGB Percent	47%, 76%, 67%
CMY	0.5332, 0.2353, 0.3335
CMYK	0.39, 0.00, 0.13, 0.24
HSL	160°, 39%, 62%
HSV	160°, 39%, 76%
XYZ	34.3783, 45.8544, 45.0526
YIQ	169.4260, -37.2710, -23.8870

# Conversions

## Conversions Part 2

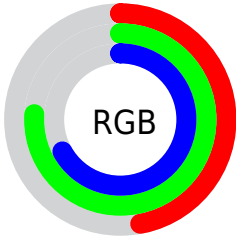
<b>Format</b>	<b>Color</b>
<b>RYB</b>	119, 164, 195
Decimal	7848874
CIELab	73.45, -29.32, 5.19
CIElCh	73, 29.773, 169.956
Yxy	45.8544, 0.2744, 0.3660
Android (android.graphics.Color)	4286038954 (0xFF77C3AA)
YUV	169.4260, 0.2830, -44.2236
Hunter-Lab	67.7159, -27.8812, 7.9544

# Details

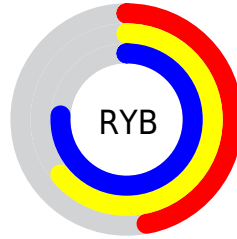
The Yxy color **45.8544, 0.2744, 0.3660** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.8174, 0.3763, 0.2955**, and the grayscale version is **39.9129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0557, 0.2816, 0.3594**, and **21.4816, 0.2629, 0.3772** is the 20% darker color. If you saturate the color by 10%, you get **44.3776, 0.2669, 0.3774**, and if you desaturate by 10%, it is **47.6298, 0.2832, 0.3553**.

# Distribution



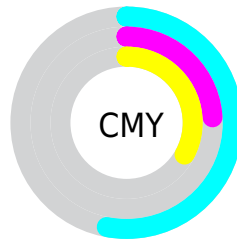
- Red (47%)
- Green (76%)
- Blue (67%)



- Red (47%)
- Yellow (64%)
- Blue (76%)



- Cyan (39%)
- Magenta (0%)
- Yellow (13%)
- Black (24%)



- Cyan (53%)
- Magenta (24%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8544, 0.2744, 0.3660 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 45.8544, 0.2744, 0.3660 by changing the saturation by 10% instead.





 45.8544, 0.2744,  
0.3660


 45.8544, 0.2744,  
0.3660


370.2230, 0.2938,  
0.3471


 32.1309, 0.2695,  
0.3709

 84.0011, 0.2815,  
0.3590

 21.4615, 0.2632,  
0.3772


 109.1930, 0.2841,  
0.3564

 13.4618, 0.2547,  
0.3858


 138.9766, 0.2864,  
0.3542

 7.7473, 0.2428,  
0.3982

173.7363, 0.2883,  
0.3524

 3.9337, 0.2248,  
0.4172

213.8563, 0.2899,  
0.3508

 1.6365, 0.1930,  
0.4514

259.7212, 0.2914,

 0.3820, 0.0000,

0.3494

0.8783

311.7153, 0.2926,  
0.3481

0.0000, 0.0000,  
0.0000

45.8544, 0.2744,  
0.3660

45.8544, 0.2744,  
0.3660

44.3776, 0.2669,  
0.3774

47.6298, 0.2832,  
0.3553

43.1764, 0.2609,  
0.3895

49.7145, 0.2928,  
0.3454

42.2329, 0.2567,  
0.4019


52.1252, 0.3031,  
0.3364


41.5252, 0.2544,  
0.4145

54.8758, 0.3138,  
0.3282


41.0271, 0.2541,  
0.4271


57.9794, 0.3247,  
0.3209


 40.6946, 0.2556,  
0.4395

 61.4486, 0.3355,  
0.3144

 40.6634, 0.2558,  
0.4408

 65.1950, 0.3457,  
0.3087

 65.5317, 0.3407,  
0.3023

 65.8816, 0.3357,  
0.2959

# Harmonies

## Analogous

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



45.8544, 0.3138, 0.3963



45.8544, 0.2744, 0.3660



45.8544, 0.2464, 0.3250

# Triad

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



45.8544, 0.2744, 0.3660



45.8544, 0.2688, 0.2616



45.8544, 0.3964, 0.3606

# Complementary

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



45.8544, 0.2744, 0.3660



26.8174, 0.3763, 0.2955

# 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.



45.8544, 0.3832, 0.3268



45.8544, 0.2744, 0.3660



45.8544, 0.3072, 0.2720

# Square

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



45.8544, 0.2744, 0.3660



45.8544, 0.2435, 0.2668



45.8544, 0.3497, 0.2953



45.8544, 0.3853, 0.3894



# Rectangle

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



45.8544, 0.2744, 0.3660



45.8544, 0.2371, 0.2996



45.8544, 0.3497, 0.2953



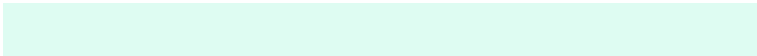
45.8544, 0.3947, 0.3495

# Sweetspot

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



45.8563, 0.2744, 0.3660



91.8970, 0.2998, 0.3392



46.3249, 0.3267, 0.4398



19.9965, 0.2984, 0.3404



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.



45.8563, 0.2744, 0.3660



79.7777, 0.2677, 0.3760



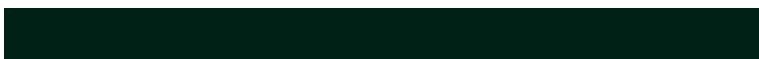
41.4592, 0.2565, 0.3104



11.3702, 0.3027, 0.3367



26.4443, 0.2553, 0.4391



1.1549, 0.2476, 0.4115



# Inverse Universe

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



26.8174, 0.3763, 0.2955



40.7871, 0.3981, 0.2882



29.3529, 0.4018, 0.3464



10.1314, 0.3238, 0.3214



7.7972, 0.5629, 0.2874



0.3498, 0.4989, 0.2522



# Previews

## White Background



This preview shows how the Yxy color 45.8544, 0.2744, 0.3660 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 45.8544, 0.2744, 0.3660 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

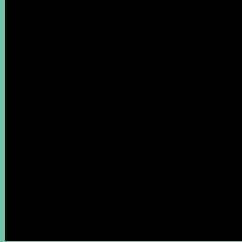
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.8544, 0.2744, 0.3660**

## Background



This preview shows how black text looks on a background with the Yxy color 45.8544, 0.2744, 0.3660.



This preview shows how white text looks on a background with the Yxy color 45.8544, 0.2744, 0.3660.

# 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

45.8544, 0.2744, 0.3660

### Protanopia

45.3782, 0.3346, 0.3528

### Deuteranopia

45.4702, 0.3353, 0.3291



## Tritanopia

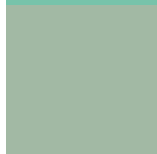
45.8239, 0.2577, 0.3081

# Trichromacy



## Original Color

45.8544, 0.2744, 0.3660



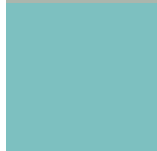
## Protanomaly

45.0596, 0.3097, 0.3583



## Deuteranomaly

45.0191, 0.3096, 0.3412



## Tritanomaly

45.8650, 0.2640, 0.3289

# Monochromacy



## Original Color

45.8544, 0.2744, 0.3660



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

41.2847, 0.2969, 0.3419

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.8544, 0.2744, 0.3660 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(119, 195, 170)` looks like.

```
.text, #text, p{  
    color:rgb(119, 195, 170)  
}
```

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(119, 195, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 195, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 45.8544, 0.2744, 0.3660 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(119, 195, 170) }
```

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

```
.border{ border-color:rgb(119, 195, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 195, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 195, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 195, 170);  
box-shadow:4px 4px 4px 4px rgb(119, 195,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.8544, 0.2744, 0.3660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 195, 170) }
```

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

```
.background{ background-color: rgb(119,  
195, 170) }
```

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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