

# Converting Colors

$Y_{xy}(44.4860, 0.2836, 0.3955)$

Have a look what the booklet for  
Yxy(44.4860, 0.2836, 0.3955)  
contains.

<b>Yxy(44.4628, 0.2838, 0.3949)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(44.4628, 0.2838, 0.3949)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73C297
RGB	115, 194, 151
RGB Percent	45%, 76%, 59%
CMY	0.5488, 0.2392, 0.4078
CMYK	0.41, 0.00, 0.22, 0.24
HSL	147°, 39%, 61%
HSV	147°, 41%, 76%
XYZ	31.9538, 44.4628, 36.1760
YIQ	165.4770, -33.2810, -30.1210

# Conversions

## Conversions Part 2

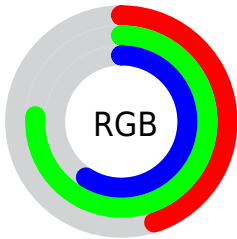
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 169, 194
Decimal	7586455
CIELab	72.54, -33.96, 14.13
CIELCh	73, 36.778, 157.409
Yxy	44.4628, 0.2838, 0.3949
Android (android.graphics.Color)	4285776535 (0xFF73C297)
YUV	165.4770, -7.1372, -44.2683
Hunter-Lab	66.6804, -31.1522, 14.5098

# Details

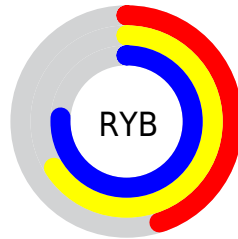
The Yxy color **44.4628, 0.2838, 0.3949** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **26.2147, 0.3586, 0.2720**, and the grayscale version is **37.9222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9482, 0.2897, 0.3823**, and **20.6684, 0.2742, 0.4167** is the 20% darker color. If you saturate the color by 10%, you get **42.9560, 0.2786, 0.4148**, and if you desaturate by 10%, it is **46.2808, 0.2901, 0.3763**.

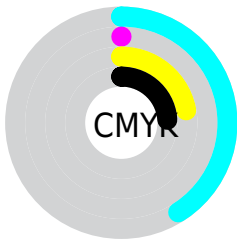
# Distribution



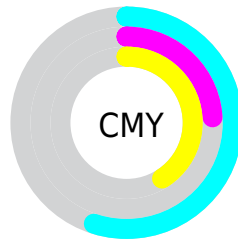
- Red (45%)
- Green (76%)
- Blue (59%)



- Red (45%)
- Yellow (66%)
- Blue (76%)



- Cyan (41%)
- Magenta (0%)
- Yellow (22%)
- Black (24%)




- Cyan (55%)
- Magenta (24%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4628, 0.2838, 0.3949 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 44.4628, 0.2838, 0.3949 by changing the saturation by 10% instead.





 44.4628, 0.2838,  
0.3949


 44.4628, 0.2838,  
0.3949


364.5935, 0.2991,  
0.3603


 31.0345, 0.2797,  
0.4041


 81.9137, 0.2895,  
0.3819

 20.6251, 0.2743,  
0.4163

 106.7051, 0.2916,  
0.3771

 12.8503, 0.2668,  
0.4332

 136.0530, 0.2934,  
0.3732

 7.3255, 0.2558,  
0.4579

170.3417, 0.2949,  
0.3698

 3.6665, 0.2381,  
0.4975

209.9558, 0.2961,  
0.3669

 1.4888, 0.1959,  
0.5949

255.2795, 0.2972,

 0.2808, 0.0000,

0.3644

1.0000

306.6973, 0.2982,  
0.3622

■ 0.0000, 0.0000,  
0.0000

■ 44.4628, 0.2838,  
0.3949

■ 44.4628, 0.2838,  
0.3949

■ 42.9560, 0.2786,  
0.4148

■ 46.2808, 0.2901,  
0.3763

■ 41.7366, 0.2747,  
0.4357

■ 48.4213, 0.2971,  
0.3592

■ 40.7862, 0.2725,  
0.4570


■ 50.9016, 0.3045,  
0.3437


■ 40.0816, 0.2722,  
0.4782

■ 53.7362, 0.3122,  
0.3299

■ 39.5954, 0.2738,  
0.4984

■ 56.9387, 0.3198,  
0.3176

 39.2912, 0.2767,  
0.5161

 60.5221, 0.3274,  
0.3068

 64.4985, 0.3347,  
0.2973

 65.8703, 0.3298,  
0.2874

 66.5012, 0.3220,  
0.2774

# Harmonies

## Analogous

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



44.4628, 0.3348, 0.4222



44.4628, 0.2838, 0.3949



44.4628, 0.2428, 0.3452

# Triad

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



44.4628, 0.2838, 0.3949



44.4628, 0.2431, 0.2465



44.4628, 0.4142, 0.3493

# Complementary

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



44.4628, 0.2838, 0.3949



26.2147, 0.3586, 0.2720

# 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.



44.4628, 0.3857, 0.3086



44.4628, 0.2838, 0.3949



44.4628, 0.2841, 0.2520

# Square

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



44.4628, 0.2838, 0.3949



44.4628, 0.2212, 0.2606



44.4628, 0.3365, 0.2742



44.4628, 0.4122, 0.3888



# Rectangle

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



44.4628, 0.2838, 0.3949



44.4628, 0.2257, 0.3106



44.4628, 0.3365, 0.2742



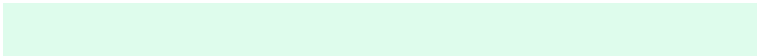
44.4628, 0.4079, 0.3354

# Sweetspot

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



44.4646, 0.2838, 0.3949



91.5112, 0.3034, 0.3460



47.1378, 0.3415, 0.4400



19.9035, 0.3024, 0.3480



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.



44.4646, 0.2838, 0.3949



78.0572, 0.2790, 0.4130



45.9500, 0.2597, 0.3345



11.3334, 0.3055, 0.3418



25.8506, 0.2760, 0.5136



1.1308, 0.2639, 0.4700



# Inverse Universe

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



26.2147, 0.3586, 0.2720



40.4055, 0.3735, 0.2598



25.0763, 0.4097, 0.3239



10.1676, 0.3206, 0.3165



8.2371, 0.4750, 0.2390



0.3697, 0.4316, 0.2151



# Previews

## White Background



This preview shows how the Yxy color 44.4628, 0.2838, 0.3949 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

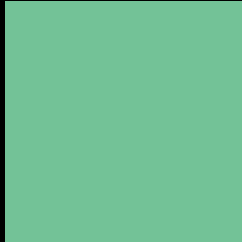
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.4628, 0.2838, 0.3949 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 44.4628, 0.2838, 0.3949**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.4628, 0.2838, 0.3949.



This preview shows how white text looks on a background with the Yxy color 44.4628, 0.2838, 0.3949.

# 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

44.4628, 0.2838, 0.3949

### Protanopia

44.1188, 0.3514, 0.3743

### Deuteranopia

44.0827, 0.3548, 0.3482



## Tritanopia

44.3169, 0.2583, 0.3078

# Trichromacy



**Original Color**

44.4628, 0.2838, 0.3949

**Protanomaly**

43.5194, 0.3230, 0.3818

**Deuteranomaly**

43.1193, 0.3251, 0.3638

**Tritanomaly**

44.4568, 0.2679, 0.3391

# Monochromacy



**Original Color**

44.4628, 0.2838, 0.3949

**Achromatopsia**

37.6262, 0.3127, 0.3290

**Achromatomaly**

39.7918, 0.3004, 0.3526

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  44.4628, 0.2838, 0.3949 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(115, 194, 151)` looks like.

```
.text, #text, p{  
    color:rgb(115, 194, 151)  
}
```

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(115, 194, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 194, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 44.4628, 0.2838, 0.3949 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(115, 194, 151) }
```

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

```
.border{ border-color:rgb(115, 194, 151) }
```

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

Here you see how a box with a 4 pixel rgb(115, 194, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 194, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 194, 151);  
box-shadow:4px 4px 4px 4px rgb(115, 194,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.4628, 0.2838, 0.3949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 194, 151) }
```

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

```
.background{ background-color: rgb(115,  
194, 151) }
```

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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