

# Converting Colors

$Y_{xy}(44.1955, 0.2624, 0.4115)$

Have a look what the booklet for  
Yxy(44.1955, 0.2624, 0.4115)  
contains.

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# Color

**Yxy(44.2502, 0.2624, 0.4115)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45C794
RGB	69, 199, 148
RGB Percent	27%, 78%, 58%
CMY	0.7298, 0.2196, 0.4196
CMYK	0.65, 0.00, 0.26, 0.22
HSL	156°, 54%, 53%
HSV	156°, 65%, 78%
XYZ	28.2169, 44.2502, 35.0668
YIQ	154.3160, -61.1090, -43.4210

# Conversions

## Conversions Part 2

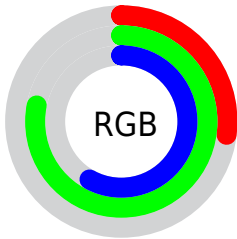
Format	Color
<a href="#">RYB</a>	<a href="#">69, 150, 199</a>
Decimal	<a href="#">4573076</a>
CIELab	<a href="#">72.40, -47.47, 15.31</a>
CIELCh	<a href="#">72, 49.875, 162.117</a>
Yxy	<a href="#">44.2502, 0.2624, 0.4115</a>
Android (android.graphics.Color)	<a href="#">4282763156</a> ( <a href="#">0xFF45C794</a> )
YUV	<a href="#">154.3160, -3.1138, -74.8221</a>
Hunter-Lab	<a href="#">66.5208, -40.6951, 15.3095</a>

# Details

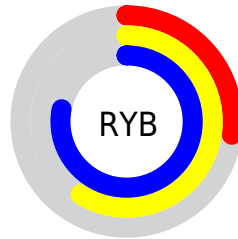
The Yxy color **44.2502, 0.2624, 0.4115** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **17.7419, 0.4374, 0.2670**, and the grayscale version is **32.4837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6096, 0.2723, 0.3934**, and **20.8096, 0.2547, 0.4369** is the 20% darker color. If you saturate the color by 10%, you get **43.4045, 0.2600, 0.4267**, and if you desaturate by 10%, it is **45.3600, 0.2667, 0.3966**.

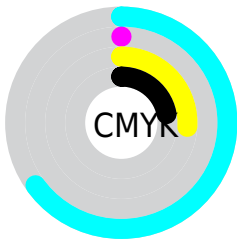
# Distribution



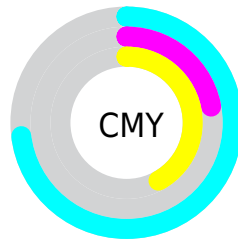
- Red (27%)
- Green (78%)
- Blue (58%)



- Red (27%)
- Yellow (59%)
- Blue (78%)



- Cyan (65%)
- Magenta (0%)
- Yellow (26%)
- Black (22%)




- Cyan (73%)
- Magenta (22%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2502, 0.2624, 0.4115 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 44.2502, 0.2624, 0.4115 by changing the saturation by 10% instead.




 44.2502, 0.2624,  
0.4115

 44.2502, 0.2624,  
0.4115

363.7283, 0.2887,  
0.3677

 30.8673, 0.2555,  
0.4233


 81.5941, 0.2722,  
0.3950


 20.4978, 0.2463,  
0.4389


 106.3238, 0.2758,  
0.3890

 12.7574, 0.2338,  
0.4605


 135.6046, 0.2789,  
0.3840

 7.2617, 0.2157,  
0.4924

 169.8209, 0.2814,  
0.3797

 3.6263, 0.1875,  
0.5437

 209.3570, 0.2836,  
0.3761

 1.4668, 0.0715,  
0.7205

254.5973, 0.2856,

 0.2652, 0.0000,

0.3729

1.0000

305.9263, 0.2872,  
0.3702

■ 0.0000, 0.0000,  
0.0000

■ 44.2502, 0.2624,  
0.4115

■ 44.2502, 0.2624,  
0.4115

■ 43.4045, 0.2600,  
0.4267

■ 45.3600, 0.2667,  
0.3966

■ 42.7917, 0.2595,  
0.4420

■ 46.7508, 0.2728,  
0.3822

■ 42.3819, 0.2611,  
0.4569

■ 48.4444, 0.2801,  
0.3687

■ 42.2324, 0.2621,  
0.4637

■ 50.4587, 0.2886,  
0.3561

■ 52.8104, 0.2978,  
0.3446

■ 55.5148, 0.3074,  
0.3342

■ 58.5864, 0.3173,  
0.3248

■ 62.0387, 0.3272,  
0.3165

■ 65.8849, 0.3370,  
0.3091

# Harmonies

## Analogous

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



44.2502, 0.3288, 0.4557



44.2502, 0.2624, 0.4115



44.2502, 0.2130, 0.3379

# Triad

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



44.2502, 0.2624, 0.4115



44.2502, 0.2273, 0.2205



44.2502, 0.4526, 0.3606

# Complementary

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



44.2502, 0.2624, 0.4115



17.7419, 0.4374, 0.2670

# 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.



44.2502, 0.4206, 0.3083



44.2502, 0.2624, 0.4115



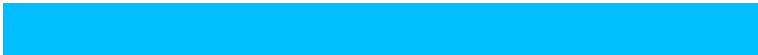
44.2502, 0.2836, 0.2318

# Square

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



44.2502, 0.2624, 0.4115



44.2502, 0.1956, 0.2328



44.2502, 0.3555, 0.2630



44.2502, 0.4411, 0.4123



# Rectangle

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



44.2502, 0.2624, 0.4115



44.2502, 0.1948, 0.2916



44.2502, 0.3555, 0.2630



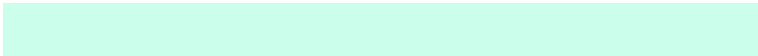
44.2502, 0.4467, 0.3429

# Sweetspot

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



44.2520, 0.2624, 0.4115



90.3556, 0.2932, 0.3501



45.3420, 0.3356, 0.5180



19.0935, 0.2906, 0.3535



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.



44.2520, 0.2624, 0.4115



75.5382, 0.2595, 0.4325



40.5040, 0.2313, 0.3090



11.9944, 0.3035, 0.3382



27.1702, 0.2616, 0.4617



1.3004, 0.2530, 0.4308



# Inverse Universe

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



17.7419, 0.4374, 0.2670



25.8219, 0.4798, 0.2638



18.5935, 0.5120, 0.3445



10.7047, 0.3229, 0.3200



8.1778, 0.5387, 0.2742

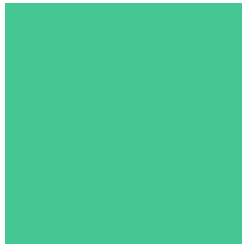


0.4014, 0.4830, 0.2435



# Previews

## White Background



This preview shows how the Yxy color 44.2502, 0.2624, 0.4115 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 44.2502, 0.2624, 0.4115 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 44.2502, 0.2624, 0.4115**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.2502, 0.2624, 0.4115.

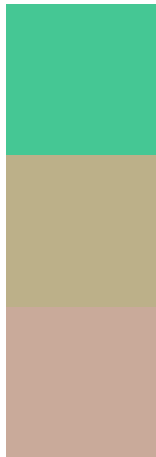


This preview shows how white text looks on a background with the Yxy color 44.2502, 0.2624, 0.4115.

# 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

44.2502, 0.2624, 0.4115

### Protanopia

43.5482, 0.3569, 0.3812

### Deuteranopia

43.5001, 0.3560, 0.3496



## Tritanopia

43.9907, 0.2377, 0.3057

# Trichromacy



## Original Color

44.2502, 0.2624, 0.4115



## Protanomaly

42.2238, 0.3130, 0.3930



## Deuteranomaly

42.0871, 0.3116, 0.3712



## Tritanomaly

43.9677, 0.2460, 0.3409

# Monochromacy



## Original Color

44.2502, 0.2624, 0.4115



## Achromatopsia

32.3143, 0.3127, 0.3290



## Achromatomaly

35.2274, 0.2865, 0.3578

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.2502, 0.2624, 0.4115 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, 199, 148)` looks like.

```
.text, #text, p{  
  color:rgb(69, 199, 148)  
}
```

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, 199, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 199, 148) }
```

## Border

The CSS property to change the border of an element to Yxy 44.2502, 0.2624, 0.4115 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, 199, 148) }
```

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

```
.border{ border-color:rgb(69, 199, 148) }
```

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

Here you see how a box with a 4 pixel rgb(69, 199, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 199, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 199, 148);  
box-shadow:4px 4px 4px 4px rgb(69, 199,  
148) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.2502, 0.2624, 0.4115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 199, 148) }
```

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

```
.background{ background-color: rgb(69, 199,  
148) }
```

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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