

# Converting Colors

$Yxy(64.9073, 0.2616, 0.4452)$

Have a look what the booklet for  
Yxy(64.9073, 0.2616, 0.4452)  
contains.

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# Color

**Yxy(64.7371, 0.2614, 0.4445)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2CEF9E
RGB	44, 239, 158
RGB Percent	17%, 94%, 62%
CMY	0.8281, 0.0627, 0.3804
CMYK	0.82, 0.00, 0.34, 0.06
HSL	155°, 86%, 55%
HSV	155°, 82%, 94%
XYZ	38.0704, 64.7371, 42.8328
YIQ	171.4610, -90.2190, -66.5310

# Conversions

## Conversions Part 2

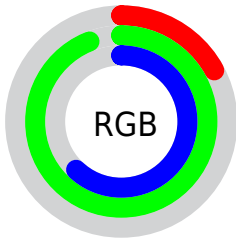
Format	Color
<a href="#">RYB</a>	<a href="#">44, 167, 239</a>
Decimal	<a href="#">2944926</a>
CIELab	<a href="#">84.35, -63.97, 26.47</a>
CIELCh	<a href="#">84, 69.226, 157.520</a>
Yxy	<a href="#">64.7371, 0.2614, 0.4445</a>
Android (android.graphics.Color)	<a href="#">4281135006 (0xFF2CEF9E)</a>
YUV	<a href="#">171.4610, -6.6363, -111.7833</a>
Hunter-Lab	<a href="#">80.4594, -56.3444, 24.7583</a>

# Details

The Yxy color **64.7371, 0.2614, 0.4445** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **21.6177, 0.4830, 0.2598**, and the grayscale version is **41.0118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5351, 0.2638, 0.3798**, and **34.4965, 0.2644, 0.4719** is the 20% darker color. If you saturate the color by 10%, you get **64.0280, 0.2626, 0.4606**, and if you desaturate by 10%, it is **65.7828, 0.2622, 0.4281**.

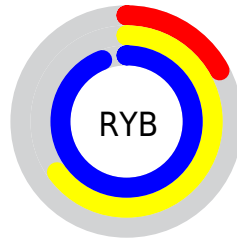
# Distribution



Red (17%)

Green (94%)

Blue (62%)



Red (17%)

Yellow (65%)

Blue (94%)

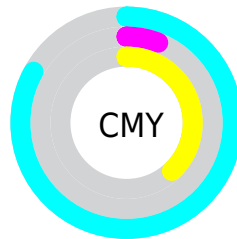


Cyan (82%)

Magenta (0%)

Yellow (34%)

Black (6%)



Cyan (83%)

Magenta (6%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7371, 0.2614, 0.4445 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 64.7371, 0.2614, 0.4445 by changing the saturation by 10% instead.





 64.7371, 0.2614,  
0.4445


 64.7371, 0.2614,  
0.4445


441.8466, 0.2875,  
0.3859


 47.2479, 0.2548,  
0.4592


 111.6718, 0.2710,  
0.4231

 33.2317, 0.2463,  
0.4781


 141.8861, 0.2745,  
0.4151


 22.3040, 0.2350,  
0.5032


 177.1110, 0.2776,  
0.4083

 14.0804, 0.2193,  
0.5380

 217.7307, 0.2801,  
0.4026

 8.1766, 0.1962,  
0.5886

 264.1298, 0.2824,  
0.3976

 4.2082, 0.1602,  
0.6671

316.6925, 0.2843,

 1.7907, 0.0000,

0.3932

1.0000

375.8033, 0.2860,  
0.3894

■ 0.4814, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.7371, 0.2614,  
0.4445

■ 64.7371, 0.2614,  
0.4445

■ 64.0280, 0.2626,  
0.4606


■ 65.7828, 0.2622,  
0.4281

■ 63.6273, 0.2649,  
0.4736


■ 67.2036, 0.2651,  
0.4118


■ 69.0408, 0.2699,  
0.3959

■ 71.3280, 0.2762,  
0.3807

 74.0955, 0.2838,  
0.3665

 77.3706, 0.2924,  
0.3534

 81.1786, 0.3016,  
0.3414

 85.5432, 0.3111,  
0.3307

 89.7325, 0.3182,  
0.3210

# Harmonies

## Analogous

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



64.7371, 0.3417, 0.4890



64.7371, 0.2614, 0.4445



64.7371, 0.1997, 0.3527

# Triad

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



64.7371, 0.2614, 0.4445



64.7371, 0.2032, 0.2009



64.7371, 0.4804, 0.3532

# Complementary

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



64.7371, 0.2614, 0.4445



21.6177, 0.4830, 0.2598

# 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.



64.7371, 0.4342, 0.2937



64.7371, 0.2614, 0.4445



64.7371, 0.2647, 0.2107

# Square

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



64.7371, 0.2614, 0.4445



64.7371, 0.1715, 0.2181



64.7371, 0.3501, 0.2435



64.7371, 0.4716, 0.4152



# Rectangle

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



64.7371, 0.2614, 0.4445



64.7371, 0.1760, 0.2931



64.7371, 0.3501, 0.2435



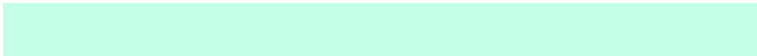
64.7371, 0.4710, 0.3328

# Sweetspot

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



64.7397, 0.2614, 0.4445



88.6534, 0.2902, 0.3565



66.2917, 0.3340, 0.5563



18.6816, 0.2871, 0.3611



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.



64.7397, 0.2614, 0.4445



73.7961, 0.2644, 0.4710



59.4039, 0.2222, 0.3075



17.8115, 0.3036, 0.3390



35.1848, 0.2642, 0.4711



2.9468, 0.2584, 0.4504



# Inverse Universe

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



21.6177, 0.4830, 0.2598



22.4711, 0.5310, 0.2709



21.7745, 0.5884, 0.3401



15.8677, 0.3228, 0.3192



10.6657, 0.5315, 0.2702

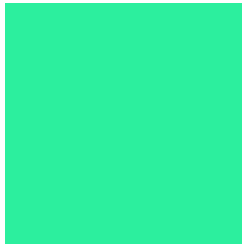


0.9067, 0.4974, 0.2514



# Previews

## White Background



This preview shows how the Yxy color 64.7371, 0.2614, 0.4445 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 64.7371, 0.2614, 0.4445 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

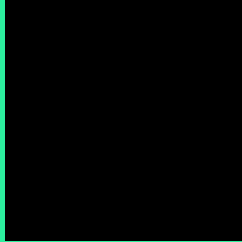
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.7371, 0.2614, 0.4445**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.7371, 0.2614, 0.4445.



This preview shows how white text looks on a background with the Yxy color 64.7371, 0.2614, 0.4445.

# 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

64.7371, 0.2614, 0.4445

### Protanopia

63.1636, 0.3722, 0.4004

### Deuteranopia

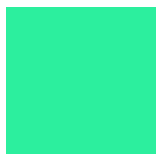
63.1533, 0.3732, 0.3649



## Tritanopia

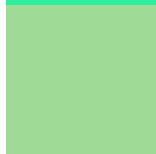
64.4775, 0.2317, 0.3052

# Trichromacy



## Original Color

64.7371, 0.2614, 0.4445



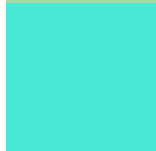
## Protanomaly

60.2360, 0.3146, 0.4198



## Deuteranomaly

59.4314, 0.3147, 0.3934



## Tritanomaly

64.0754, 0.2410, 0.3514

# Monochromacy



## Original Color

64.7371, 0.2614, 0.4445



## Achromatopsia

40.7240, 0.3127, 0.3290



## Achromatomaly

46.5930, 0.2809, 0.3731

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.7371, 0.2614, 0.4445 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(44, 239, 158)` looks like.

```
.text, #text, p{  
    color:rgb(44, 239, 158)  
}
```

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(44, 239, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 239, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 64.7371, 0.2614, 0.4445 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(44, 239, 158) }
```

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

```
.border{ border-color:rgb(44, 239, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 239, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 239, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 239, 158);  
box-shadow:4px 4px 4px 4px rgb(44, 239,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.7371, 0.2614, 0.4445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 239, 158) }
```

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

```
.background{ background-color: rgb(44, 239,  
158) }
```

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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