

Converting Colors

Yxy(51.7553, 0.2593, 0.4372)

Have a look what the booklet for
Yxy(51.7553, 0.2593, 0.4372)
contains.

Yxy(51.6497, 0.2592, 0.4367)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.6497, 0.2592, 0.4367)

Conversions

Conversions Part 1

Format	Color
Hex	27D893
RGB	39, 216, 147
RGB Percent	15%, 85%, 58%
CMY	0.8476, 0.1529, 0.4234
CMYK	0.82, 0.00, 0.32, 0.15
HSL	157°, 70%, 50%
HSV	157°, 82%, 85%
XYZ	30.6563, 51.6497, 35.9667
YIQ	155.2110, -83.3430, -58.9830

Conversions

Conversions Part 2

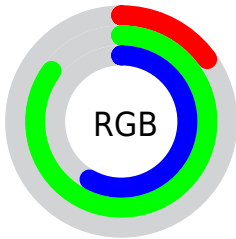
Format	Color
R _Y B	39, 149, 216
Decimal	2611347
CIE Lab	77.07, -58.27, 22.21
CIE LCh	77, 62.361, 159.133
Yxy	51.6497, 0.2592, 0.4367
Android (android.graphics.Color)	4280801427 (0xFF27D893)
YUV	155.2110, -4.0480, -101.9170
Hunter-Lab	71.8677, -49.6266, 20.6353

Details

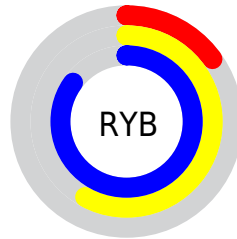
The Yxy color **51.6497, 0.2592, 0.4367** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **17.1212, 0.4911, 0.2649**, and the grayscale version is **32.9059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4500, 0.2666, 0.3958**, and **25.9861, 0.2623, 0.4642** is the 20% darker color. If you saturate the color by 10%, you get **51.0902, 0.2602, 0.4517**, and if you desaturate by 10%, it is **52.4721, 0.2603, 0.4215**.

Distribution



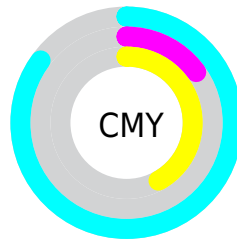
- Red (15%)
- Green (85%)
- Blue (58%)



- Red (15%)
- Yellow (58%)
- Blue (85%)



- Cyan (82%)
- Magenta (0%)
- Yellow (32%)
- Black (15%)




- Cyan (85%)
- Magenta (15%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.6497, 0.2592, 0.4367 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 51.6497, 0.2592, 0.4367 by changing the saturation by 10% instead.


 51.6497, 0.2592,
0.4367


 51.6497, 0.2592,
0.4367


393.0828, 0.2871,
0.3803

 36.7259, 0.2519,
0.4516


 92.6144, 0.2696,
0.4156

 24.9954, 0.2424,
0.4710


 119.4242, 0.2734,
0.4079

 16.0736, 0.2294,
0.4976


 150.9647, 0.2766,
0.4014

 9.5762, 0.2108,
0.5358

 187.6204, 0.2794,
0.3959

 5.1189, 0.1825,
0.5946

 229.7756, 0.2817,
0.3911

 2.3172, 0.1170,
0.7251

277.8148, 0.2838,

 0.7828, 0.0000,


0.3870

1.0000

332.1224, 0.2855,
0.3834


 0.0000, 0.0000,
0.0000

 51.6497, 0.2592,
0.4367


 51.6497, 0.2592,
0.4367


 51.0902, 0.2602,
0.4517


 52.4721, 0.2603,
0.4215

 50.7788, 0.2621,
0.4634

 53.5872, 0.2633,
0.4063


 55.0271, 0.2683,
0.3916

 56.8182, 0.2748,
0.3775

 58.9838, 0.2826,
0.3643

 61.5454, 0.2914,
0.3521

 64.5228, 0.3009,
0.3409

 67.9343, 0.3107,
0.3309

 71.7972, 0.3207,
0.3219

Harmonies

Analogous

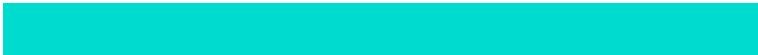
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.6497, 0.3371, 0.4835



51.6497, 0.2592, 0.4367



51.6497, 0.2002, 0.3473

Triad

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



51.6497, 0.2592, 0.4367



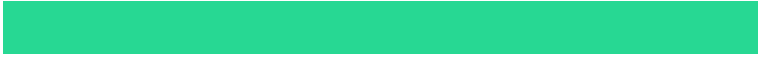
51.6497, 0.2084, 0.2038



51.6497, 0.4767, 0.3564

Complementary

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



51.6497, 0.2592, 0.4367



17.1212, 0.4911, 0.2649

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.



51.6497, 0.4344, 0.2978



51.6497, 0.2592, 0.4367



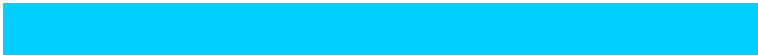
51.6497, 0.2702, 0.2147

Square

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



51.6497, 0.2592, 0.4367



51.6497, 0.1757, 0.2193



51.6497, 0.3539, 0.2479



51.6497, 0.4658, 0.4169

Rectangle

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



51.6497, 0.2592, 0.4367



51.6497, 0.1781, 0.2903



51.6497, 0.3539, 0.2479



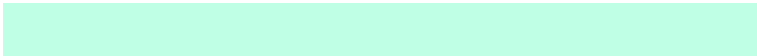
51.6497, 0.4684, 0.3364

Sweetspot

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



51.6518, 0.2592, 0.4367



88.3518, 0.2885, 0.3559



52.5583, 0.3322, 0.5575



18.6278, 0.2854, 0.3602



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.



51.6518, 0.2592, 0.4367



74.0108, 0.2619, 0.4618



45.9091, 0.2211, 0.3031



14.0221, 0.3034, 0.3382



30.0752, 0.2614, 0.4612



1.8300, 0.2544, 0.4357

Inverse Universe

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



17.1212, 0.4911, 0.2649



22.3382, 0.5414, 0.2767



17.6299, 0.5852, 0.3425



12.5001, 0.3231, 0.3200



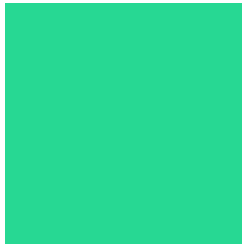
9.0407, 0.5407, 0.2752



0.5613, 0.4944, 0.2497

Previews

White Background



This preview shows how the Yxy color 51.6497, 0.2592, 0.4367 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 51.6497, 0.2592, 0.4367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

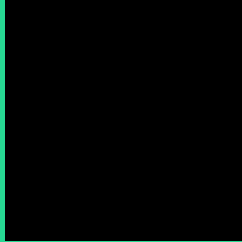
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.6497, 0.2592, 0.4367

Background



This preview shows how black text looks on a background with the Yxy color 51.6497, 0.2592, 0.4367.

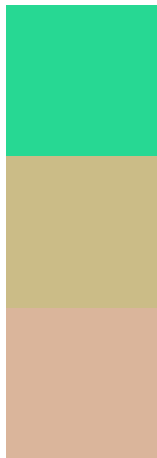


This preview shows how white text looks on a background with the Yxy color 51.6497, 0.2592, 0.4367.

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

51.6497, 0.2592, 0.4367

Protanopia

50.4122, 0.3683, 0.3952

Deuteranopia

50.3197, 0.3676, 0.3602



Tritanopia

51.2642, 0.2317, 0.3055

Trichromacy



Original Color

51.6497, 0.2592, 0.4367



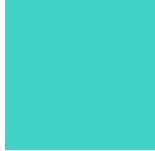
Protanomaly

48.0919, 0.3117, 0.4143



Deuteranomaly

47.6229, 0.3107, 0.3884



Tritanomaly

51.1916, 0.2407, 0.3506

Monochromacy



Original Color

51.6497, 0.2592, 0.4367



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

37.2220, 0.2797, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6497, 0.2592, 0.4367 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(39, 216, 147)` looks like.

```
.text, #text, p{  
  color:rgb(39, 216, 147)  
}
```

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(39, 216, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 216, 147) }
```

Border

The CSS property to change the border of an element to Yxy 51.6497, 0.2592, 0.4367 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(39, 216, 147) }
```

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

```
.border{ border-color:rgb(39, 216, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 216, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 216, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 216, 147);  
box-shadow:4px 4px 4px 4px rgb(39, 216,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6497, 0.2592, 0.4367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 216, 147) }
```

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

```
.background{ background-color: rgb(39, 216,  
147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor