

Converting Colors

$Y_{xy}(52.3291, 0.2524, 0.3915)$

Have a look what the booklet for
Yxy(52.3291, 0.2524, 0.3915)
contains.

Yxy(52.1617, 0.2525, 0.3919)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(52.1617, 0.2525, 0.3919)

Conversions

Conversions Part 1

Format	Color
Hex	40D6AC
RGB	64, 214, 172
RGB Percent	25%, 84%, 67%
CMY	0.7490, 0.1608, 0.3255
CMYK	0.70, 0.00, 0.20, 0.16
HSL	163°, 65%, 55%
HSV	163°, 70%, 84%
XYZ	33.6076, 52.1617, 47.3302
YIQ	164.3620, -75.9180, -44.8620

Conversions

Conversions Part 2

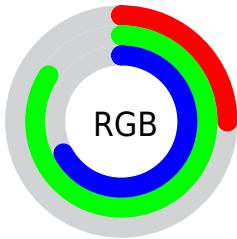
Format	Color
RYB	64, 151, 214
Decimal	4249260
CIELab	77.38, -48.92, 9.49
CIELCh	77, 49.836, 169.020
Yxy	52.1617, 0.2525, 0.3919
Android (android.graphics.Color)	4282439340 (0xFF40D6AC)
YUV	164.3620, 3.7655, -88.0175
Hunter-Lab	72.2231, -43.3288, 11.7014

Details

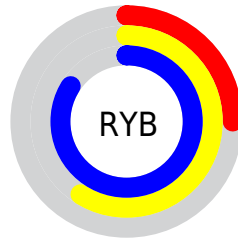
The Yxy color **52.1617, 0.2525, 0.3919** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **19.0040, 0.4817, 0.2846**, and the grayscale version is **37.3158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8119, 0.2603, 0.3620**, and **25.8098, 0.2465, 0.4074** is the 20% darker color. If you saturate the color by 10%, you get **51.3537, 0.2501, 0.4025**, and if you desaturate by 10%, it is **53.2593, 0.2569, 0.3814**.

Distribution



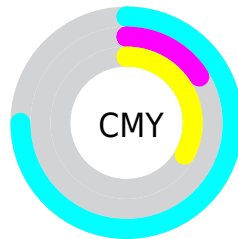
- Red (25%)
- Green (84%)
- Blue (67%)



- Red (25%)
- Yellow (59%)
- Blue (84%)



- Cyan (70%)
- Magenta (0%)
- Yellow (20%)
- Black (16%)





- Cyan (75%)
- Magenta (16%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.1617, 0.2525, 0.3919 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 52.1617, 0.2525, 0.3919 by changing the saturation by 10% instead.


 52.1617, 0.2525,
0.3919


 52.1617, 0.2525,
0.3919


395.0605, 0.2824,
0.3599


 37.1340, 0.2451,
0.4000


 93.3697, 0.2633,
0.3802


 25.3112, 0.2357,
0.4105


 120.3187, 0.2674,
0.3758


 16.3091, 0.2233,
0.4247


 152.0103, 0.2709,
0.3721

 9.7431, 0.2062,
0.4446

 188.8289, 0.2738,
0.3690

 5.2290, 0.1815,
0.4746

 231.1588, 0.2764,
0.3662

 2.3822, 0.1401,
0.5262

279.3844, 0.2787,

 0.8167, 0.0000,

0.3639

0.7835

333.8902, 0.2807,
0.3618

■ 0.0000, 0.0000,
0.0000

■ 52.1617, 0.2525,
0.3919

■ 52.1617, 0.2525,
0.3919

■ 51.3537, 0.2501,
0.4025

■ 53.2593, 0.2569,
0.3814

■ 50.7954, 0.2497,
0.4131


■ 54.6687, 0.2631,
0.3712


■ 50.4310, 0.2510,
0.4235


■ 56.4166, 0.2709,
0.3615


■ 58.5255, 0.2800,
0.3524

■ 61.0156, 0.2902,
0.3439

 63.9059, 0.3012,
0.3361

 67.2137, 0.3126,
0.3291

 70.9557, 0.3243,
0.3227

 74.8420, 0.3347,
0.3171

Harmonies

Analogous

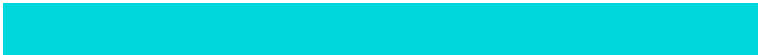
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.1617, 0.3134, 0.4426



52.1617, 0.2525, 0.3919



52.1617, 0.2106, 0.3219

Triad

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



52.1617, 0.2525, 0.3919



52.1617, 0.2420, 0.2261



52.1617, 0.4464, 0.3716

Complementary

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



52.1617, 0.2525, 0.3919



19.0040, 0.4817, 0.2846

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.



52.1617, 0.4251, 0.3209



52.1617, 0.2525, 0.3919



52.1617, 0.3003, 0.2416

Square

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



52.1617, 0.2525, 0.3919



52.1617, 0.2058, 0.2326



52.1617, 0.3690, 0.2752



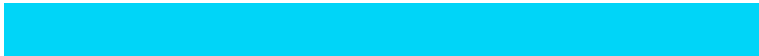
52.1617, 0.4271, 0.4190

Rectangle

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



52.1617, 0.2525, 0.3919



52.1617, 0.1972, 0.2810



52.1617, 0.3690, 0.2752



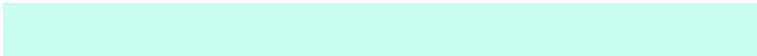
52.1617, 0.4439, 0.3546

Sweetspot

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



52.1637, 0.2525, 0.3919



90.2917, 0.2891, 0.3448



51.5600, 0.3237, 0.5387



19.0965, 0.2862, 0.3471



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.



52.1637, 0.2525, 0.3919



75.9289, 0.2497, 0.4076



39.1978, 0.2211, 0.2807



14.0458, 0.3019, 0.3356



30.4997, 0.2505, 0.4219



1.8534, 0.2455, 0.4038

Inverse Universe

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



19.0040, 0.4817, 0.2846



23.7671, 0.5369, 0.2876



23.1244, 0.5172, 0.3636



12.4774, 0.3248, 0.3225



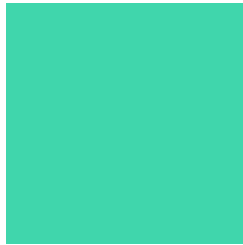
8.8531, 0.5818, 0.2979



0.5481, 0.5318, 0.2703

Previews

White Background



This preview shows how the Yxy color 52.1617, 0.2525, 0.3919 looks on a white background.

Color Contrast Check

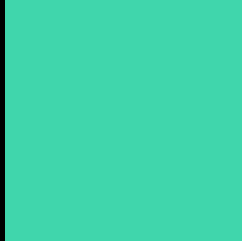
Large Text (above 18pt) WCAG AA × Fail

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 52.1617, 0.2525, 0.3919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

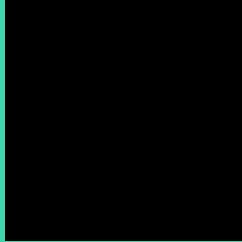
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

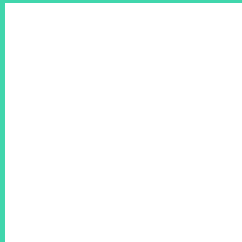
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.1617, 0.2525, 0.3919

Background



This preview shows how black text looks on a background with the Yxy color 52.1617, 0.2525, 0.3919.

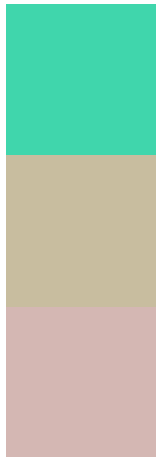


This preview shows how white text looks on a background with the Yxy color 52.1617, 0.2525, 0.3919.

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

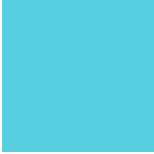
52.1617, 0.2525, 0.3919

Protanopia

51.1778, 0.3458, 0.3666

Deuteranopia

51.1187, 0.3411, 0.3339



Tritanopia

52.0822, 0.2336, 0.3057

Trichromacy



Original Color

52.1617, 0.2525, 0.3919



Protanomaly

49.6478, 0.3006, 0.3763



Deuteranomaly

48.9873, 0.2975, 0.3535



Tritanomaly

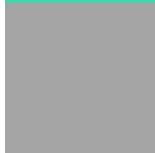
52.1632, 0.2401, 0.3359

Monochromacy



Original Color

52.1617, 0.2525, 0.3919



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

40.8351, 0.2807, 0.3515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1617, 0.2525, 0.3919 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(64, 214, 172)` looks like.

```
.text, #text, p{  
    color:rgb(64, 214, 172)  
}
```

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(64, 214, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 214, 172) }
```

Border

The CSS property to change the border of an element to Yxy 52.1617, 0.2525, 0.3919 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(64, 214, 172) }
```

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

```
.border{ border-color:rgb(64, 214, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 214, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 214, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 214, 172);  
box-shadow:4px 4px 4px 4px rgb(64, 214,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1617, 0.2525, 0.3919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 214, 172) }
```

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

```
.background{ background-color: rgb(64, 214,  
172) }
```

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