

Converting Colors

$Y_{xy}(50.1452, 0.2394, 0.3808)$

Have a look what the booklet for
Yxy(50.1452, 0.2394, 0.3808)
contains.

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Color

Yxy(50.3336, 0.2395, 0.3809)

Conversions

Conversions Part 1

Format	Color
Hex	06D4B2
RGB	6, 212, 178
RGB Percent	2%, 83%, 70%
CMY	0.9772, 0.1687, 0.3020
CMYK	0.97, 0.00, 0.16, 0.17
HSL	170°, 95%, 43%
HSV	170°, 97%, 83%
XYZ	31.6485, 50.3336, 50.1618
YIQ	146.5300, -111.8620, -54.2460

Conversions

Conversions Part 2

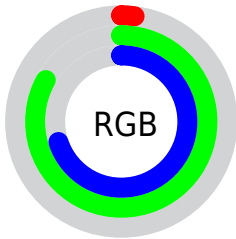
Format	Color
R _{YB}	6, 118, 212
Decimal	447666
CIE Lab	76.27, -51.17, 4.63
CIE LCh	76, 51.383, 174.835
Yxy	50.3336, 0.2395, 0.3809
Android (android.graphics.Color)	4278637746 (0xFF06D4B2)
YUV	146.5300, 15.5147, -123.2448
Hunter-Lab	70.9462, -44.5286, 7.7419

Details

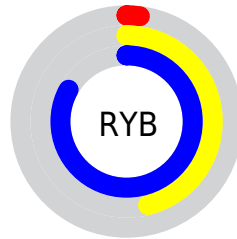
The Yxy color **50.3336, 0.2395, 0.3809** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **14.2743, 0.6110, 0.3161**, and the grayscale version is **28.9169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5863, 0.2489, 0.3540**, and **25.2576, 0.2424, 0.3928** is the 20% darker color. If you saturate the color by 10%, you get **50.2596, 0.2396, 0.3825**, and if you desaturate by 10%, it is **50.6735, 0.2397, 0.3750**.

Distribution



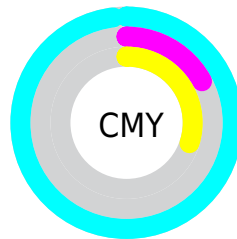
- Red (2%)
- Green (83%)
- Blue (70%)



- Red (2%)
- Yellow (46%)
- Blue (83%)



- Cyan (97%)
- Magenta (0%)
- Yellow (16%)
- Black (17%)





- Cyan (98%)
- Magenta (17%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3336, 0.2395, 0.3809 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 50.3336, 0.2395, 0.3809 by changing the saturation by 10% instead.


 50.3336, 0.2395,
0.3809


 50.3336, 0.2395,
0.3809

387.9691, 0.2756,
0.3549

 35.6785, 0.2307,
0.3874


 90.6690, 0.2525,
0.3714


 24.1860, 0.2196,
0.3958


 117.1180, 0.2574,
0.3679

 15.4717, 0.2050,
0.4068


 148.2673, 0.2615,
0.3649

 9.1511, 0.1853,
0.4222

 184.5010, 0.2651,
0.3623

 4.8399, 0.1573,
0.4449

 226.2037, 0.2683,
0.3601

 2.1536, 0.1047,
0.4868

273.7596, 0.2710,

 0.6945, 0.0000,

0.3581

0.6161

327.5533, 0.2734,
0.3564

■ 0.0000, 0.0000,
0.0000

■ 50.3336, 0.2395,
0.3809

■ 50.3336, 0.2395,
0.3809

■ 50.2596, 0.2396,
0.3825

■ 50.6735, 0.2397,
0.3750

■ 51.2197, 0.2416,
0.3691

■ 52.0159, 0.2455,
0.3632

■ 53.0932, 0.2513,
0.3574

■ 54.4779, 0.2589,
0.3517

■ 56.1935, 0.2682,
0.3463

■ 58.2610, 0.2789,
0.3411

■ 60.6998, 0.2906,
0.3363

■ 63.5278, 0.3032,
0.3319

Harmonies

Analogous

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



50.3336, 0.2999, 0.4411



50.3336, 0.2395, 0.3809



50.3336, 0.2013, 0.3078

Triad

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



50.3336, 0.2395, 0.3809



50.3336, 0.2493, 0.2238



50.3336, 0.4512, 0.3827

Complementary

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



50.3336, 0.2395, 0.3809



14.2743, 0.6110, 0.3161

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.



50.3336, 0.4377, 0.3302



50.3336, 0.2395, 0.3809



50.3336, 0.3132, 0.2438

Square

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



50.3336, 0.2395, 0.3809



50.3336, 0.2071, 0.2257



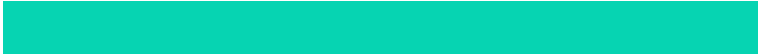
50.3336, 0.3846, 0.2814



50.3336, 0.4234, 0.4303

Rectangle

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



50.3336, 0.2395, 0.3809



50.3336, 0.1911, 0.2683



50.3336, 0.3846, 0.2814



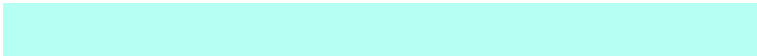
50.3336, 0.4516, 0.3652

Sweetspot

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



50.3355, 0.2395, 0.3809



87.8091, 0.2766, 0.3422



47.5514, 0.3055, 0.5939



18.5010, 0.2719, 0.3444



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.



50.3355, 0.2395, 0.3809



76.3214, 0.2398, 0.3831



24.5161, 0.1945, 0.2185



14.0711, 0.3004, 0.3329



31.0425, 0.2394, 0.3817



1.8819, 0.2365, 0.3715

Inverse Universe

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



14.2743, 0.6110, 0.3161



21.4275, 0.6197, 0.3188



18.9791, 0.5827, 0.3728



12.4539, 0.3265, 0.3252



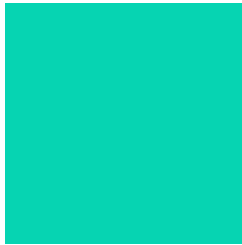
8.7258, 0.6150, 0.3162



0.5369, 0.5706, 0.2917

Previews

White Background



This preview shows how the Yxy color 50.3336, 0.2395, 0.3809 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 50.3336, 0.2395, 0.3809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

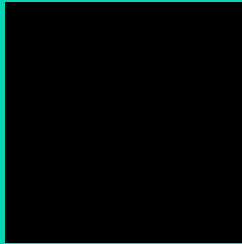
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

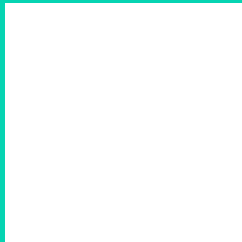
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.3336, 0.2395, 0.3809

Background



This preview shows how black text looks on a background with the Yxy color 50.3336, 0.2395, 0.3809.

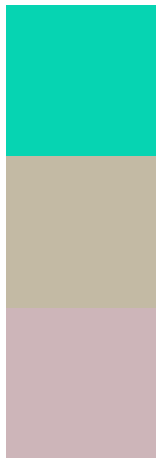


This preview shows how white text looks on a background with the Yxy color 50.3336, 0.2395, 0.3809.

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

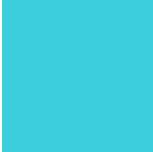
50.3400, 0.2395, 0.3809

Protanopia

49.4002, 0.3380, 0.3570

Deuteranopia

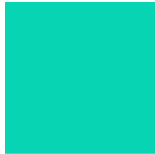
49.5297, 0.3302, 0.3242



Tritanopia

50.4086, 0.2261, 0.3065

Trichromacy



Original Color

50.3400, 0.2395, 0.3809



Protanomaly

46.3304, 0.2795, 0.3670



Deuteranomaly

46.0632, 0.2754, 0.3432



Tritanomaly

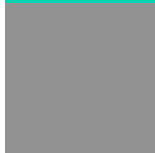
50.0394, 0.2294, 0.3317

Monochromacy



Original Color

50.3400, 0.2395, 0.3809



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

33.6510, 0.2620, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3336, 0.2395, 0.3809 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(6, 212, 178)` looks like.

```
.text, #text, p{  
    color:rgb(6, 212, 178)  
}
```

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(6, 212, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 212, 178) }
```

Border

The CSS property to change the border of an element to Yxy 50.3336, 0.2395, 0.3809 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(6, 212, 178) }
```

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

```
.border{ border-color:rgb(6, 212, 178) }
```

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

Here you see how a box with a 4 pixel rgb(6, 212, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 212, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 212, 178);  
box-shadow:4px 4px 4px 4px rgb(6, 212,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3336, 0.2395, 0.3809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 212, 178) }
```

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

```
.background{ background-color: rgb(6, 212,  
178) }
```

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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