

Converting Colors

$Y_{xy}(40.2591, 0.2568, 0.4202)$

Have a look what the booklet for
Yxy(40.2591, 0.2568, 0.4202)
contains.

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Color

Yxy(40.0769, 0.2567, 0.4199)

Conversions

Conversions Part 1

Format	Color
Hex	2BC08B
RGB	43, 192, 139
RGB Percent	17%, 75%, 55%
CMY	0.8320, 0.2470, 0.4549
CMYK	0.78, 0.00, 0.28, 0.25
HSL	159°, 64%, 46%
HSV	159°, 78%, 75%
XYZ	24.5005, 40.0769, 30.8666
YIQ	141.4070, -71.7910, -48.0710

Conversions

Conversions Part 2

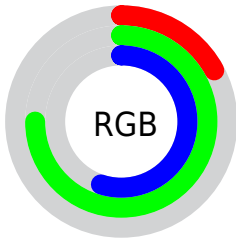
Format	Color
RYB	43, 134, 192
Decimal	2867339
CIELab	69.52, -50.43, 16.07
CIELCh	70, 52.927, 162.322
Yxy	40.0769, 0.2567, 0.4199
Android (android.graphics.Color)	4281057419 (0xFF2BC08B)
YUV	141.4070, -1.1867, -86.3029
Hunter-Lab	63.3063, -41.7040, 15.4061

Details

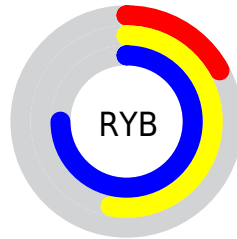
The Yxy color **40.0769, 0.2567, 0.4199** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **13.7664, 0.4857, 0.2707**, and the grayscale version is **26.8128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0464, 0.2676, 0.4002**, and **18.6126, 0.2569, 0.4449** is the 20% darker color. If you saturate the color by 10%, you get **39.5648, 0.2564, 0.4336**, and if you desaturate by 10%, it is **40.7996, 0.2590, 0.4062**.

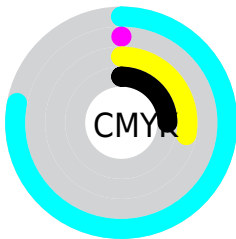
Distribution



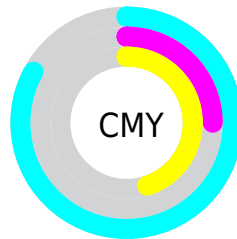
- Red (17%)
- Green (75%)
- Blue (55%)



- Red (17%)
- Yellow (53%)
- Blue (75%)



- Cyan (78%)
- Magenta (0%)
- Yellow (28%)
- Black (25%)




- Cyan (83%)
- Magenta (25%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0769, 0.2567, 0.4199 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 40.0769, 0.2567, 0.4199 by changing the saturation by 10% instead.


 40.0769, 0.2567,
0.4199

 40.0769, 0.2567,
0.4199

346.4476, 0.2865,
0.3708

 27.5985, 0.2487,
0.4335


 75.2806, 0.2680,
0.4011

 18.0232, 0.2380,
0.4517


 98.7747, 0.2721,
0.3943

 10.9667, 0.2231,
0.4774


 126.7095, 0.2755,
0.3887

 6.0444, 0.2012,
0.5161

 159.4694, 0.2784,
0.3840

 2.8721, 0.1663,
0.5802

 197.4387, 0.2809,
0.3800

 1.0653, 0.0000,
0.9776

241.0019, 0.2830,

 0.0000, 0.0000,

0.3765

0.0000

290.5434, 0.2849,
0.3734

■ 40.0769, 0.2567,
0.4199

■ 40.0769, 0.2567,
0.4199

■ 39.5648, 0.2564,
0.4336

■ 40.7996, 0.2590,
0.4062

■ 39.2225, 0.2579,
0.4470

■ 41.7527, 0.2633,
0.3928

■ 39.1537, 0.2584,
0.4501

■ 42.9587, 0.2692,
0.3798

■ 44.4363, 0.2767,
0.3675

■ 46.2021, 0.2853,
0.3560

■ 48.2715, 0.2948,
0.3454

■ 50.6590, 0.3048,
0.3358

■ 53.3777, 0.3151,
0.3271

■ 56.4403, 0.3256,
0.3193

Harmonies

Analogous

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



40.0769, 0.3286, 0.4690



40.0769, 0.2567, 0.4199



40.0769, 0.2039, 0.3375

Triad

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



40.0769, 0.2567, 0.4199



40.0769, 0.2203, 0.2117



40.0769, 0.4659, 0.3622

Complementary

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



40.0769, 0.2567, 0.4199



13.7664, 0.4857, 0.2707

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.



40.0769, 0.4314, 0.3061



40.0769, 0.2567, 0.4199



40.0769, 0.2811, 0.2242

Square

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



40.0769, 0.2567, 0.4199



40.0769, 0.1863, 0.2241



40.0769, 0.3597, 0.2576



40.0769, 0.4519, 0.4183

Rectangle

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



40.0769, 0.2567, 0.4199



40.0769, 0.1848, 0.2867



40.0769, 0.3597, 0.2576



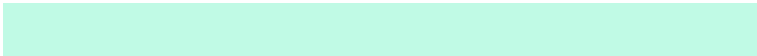
40.0769, 0.4598, 0.3431

Sweetspot

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



40.0785, 0.2567, 0.4199



85.2543, 0.2893, 0.3513



40.4488, 0.3302, 0.5502



18.0078, 0.2859, 0.3552



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.0785, 0.2567, 0.4199



71.2337, 0.2573, 0.4427



33.8683, 0.2213, 0.2965



11.3657, 0.3031, 0.3373



26.3579, 0.2579, 0.4484



1.1516, 0.2496, 0.4185

Inverse Universe

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



13.7664, 0.4857, 0.2707



21.6439, 0.5400, 0.2789



14.9067, 0.5602, 0.3489



10.1357, 0.3234, 0.3208



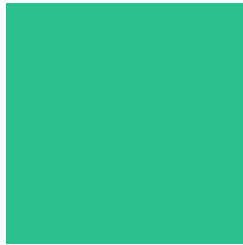
7.8372, 0.5530, 0.2820



0.3518, 0.4906, 0.2476

Previews

White Background



This preview shows how the Yxy color 40.0769, 0.2567, 0.4199 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 40.0769, 0.2567, 0.4199 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 40.0769, 0.2567, 0.4199

Background



This preview shows how black text looks on a background with the Yxy color 40.0769, 0.2567, 0.4199.

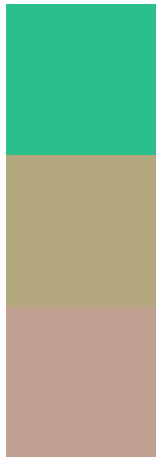


This preview shows how white text looks on a background with the Yxy color 40.0769, 0.2567, 0.4199.

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

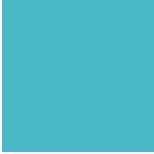
40.0769, 0.2567, 0.4199

Protanopia

39.2671, 0.3598, 0.3848

Deuteranopia

39.2534, 0.3580, 0.3504



Tritanopia

39.8603, 0.2324, 0.3060

Trichromacy



Original Color

40.0769, 0.2567, 0.4199



Protanomaly

37.8561, 0.3077, 0.4004



Deuteranomaly

37.2736, 0.3062, 0.3756



Tritanomaly

39.7717, 0.2407, 0.3448

Monochromacy



Original Color

40.0769, 0.2567, 0.4199



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

30.0383, 0.2802, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0769, 0.2567, 0.4199 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(43, 192, 139)` looks like.

```
.text, #text, p{  
    color:rgb(43, 192, 139)  
}
```

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(43, 192, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 192, 139) }
```

Border

The CSS property to change the border of an element to Yxy 40.0769, 0.2567, 0.4199 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(43, 192, 139) }
```

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

```
.border{ border-color:rgb(43, 192, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 192, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 192, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 192, 139);  
box-shadow:4px 4px 4px 4px rgb(43, 192,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0769, 0.2567, 0.4199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 192, 139) }
```

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

```
.background{ background-color: rgb(43, 192,  
139) }
```

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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