

Converting Colors

$Y_{xy}(40.1538, 0.2455, 0.4038)$

Have a look what the booklet for
Yxy(40.1538, 0.2455, 0.4038)
contains.

Yxy(40.3099, 0.2456, 0.4042)	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(40.3099, 0.2456, 0.4042)

Conversions

Conversions Part 1

Format	Color
Hex	00C195
RGB	0, 193, 149
RGB Percent	0%, 76%, 58%
CMY	1.0000, 0.2431, 0.4157
CMYK	1.00, 0.00, 0.23, 0.24
HSL	166°, 100%, 38%
HSV	166°, 100%, 76%
XYZ	24.4931, 40.3099, 34.9246
YIQ	130.2770, -100.9040, -54.6000

Conversions

Conversions Part 2

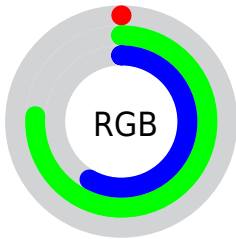
Format	Color
RYB	0, 109, 193
Decimal	49557
CIELab	69.69, -51.17, 10.84
CIELCh	70, 52.307, 168.045
Yxy	40.3099, 0.2456, 0.4042
Android (android.graphics.Color)	4278239637 (0xFF00C195)
YUV	130.2770, 9.2304, -114.2529
Hunter-Lab	63.4901, -42.2462, 11.8288

Details

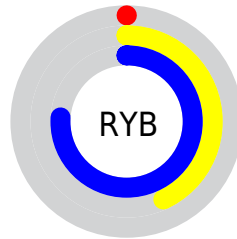
The Yxy color **40.3099, 0.2456, 0.4042** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **11.5201, 0.6004, 0.3081**, and the grayscale version is **22.4211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3357, 0.2585, 0.3886**, and **19.0588, 0.2510, 0.4236** is the 20% darker color. If you saturate the color by 10%, you get **40.3126, 0.2456, 0.4042**, and if you desaturate by 10%, it is **40.5974, 0.2450, 0.3959**.

Distribution



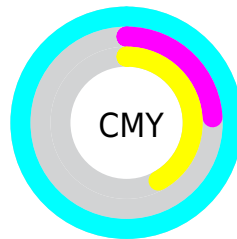
- Red (0%)
- Green (76%)
- Blue (58%)



- Red (0%)
- Yellow (43%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (24%)





- Cyan (100%)
- Magenta (24%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3099, 0.2456, 0.4042 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 40.3099, 0.2456, 0.4042 by changing the saturation by 10% instead.


 40.3099, 0.2456,
0.4042


 40.3099, 0.2456,
0.4042


347.4280, 0.2805,
0.3641


 27.7803, 0.2365,
0.4151


 75.6352, 0.2586,
0.3890


 18.1601, 0.2245,
0.4296


 99.1996, 0.2634,
0.3835


 11.0650, 0.2082,
0.4498


 127.2111, 0.2674,
0.3789

 6.1106, 0.1849,
0.4799

 160.0540, 0.2708,
0.3750

 2.9124, 0.1493,
0.5287

 198.1128, 0.2738,
0.3717

 1.0862, 0.0000,
0.7257

241.7718, 0.2763,

 0.0000, 0.0000,

0.3688

0.0000

291.4154, 0.2786,
0.3663

■ 40.3099, 0.2456,
0.4042

■ 40.3099, 0.2456,
0.4042

■ 40.3126, 0.2456,
0.4042

■ 40.5974, 0.2450,
0.3959

■ 41.0281, 0.2460,
0.3875

■ 41.6551, 0.2489,
0.3791

■ 42.5042, 0.2537,
0.3708

■ 43.5972, 0.2604,
0.3627

■ 44.9532, 0.2687,
0.3550

■ 46.5895, 0.2784,
0.3477

■ 48.5217, 0.2891,
0.3409

■ 50.7644, 0.3007,
0.3347

Harmonies

Analogous

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



40.3099, 0.3144, 0.4619



40.3099, 0.2456, 0.4042



40.3099, 0.1984, 0.3222

Triad

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



40.3099, 0.2456, 0.4042



40.3099, 0.2309, 0.2136



40.3099, 0.4649, 0.3728

Complementary

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



40.3099, 0.2456, 0.4042



11.5201, 0.6004, 0.3081

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.



40.3099, 0.4398, 0.3168



40.3099, 0.2456, 0.4042



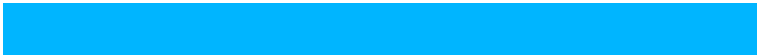
40.3099, 0.2955, 0.2303

Square

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



40.3099, 0.2456, 0.4042



40.3099, 0.1920, 0.2209



40.3099, 0.3742, 0.2667



40.3099, 0.4429, 0.4272

Rectangle

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



40.3099, 0.2456, 0.4042



40.3099, 0.1834, 0.2751



40.3099, 0.3742, 0.2667



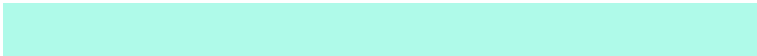
40.3099, 0.4619, 0.3539

Sweetspot

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



40.3126, 0.2456, 0.4042



83.2872, 0.2779, 0.3480



38.7012, 0.3088, 0.5930



17.5894, 0.2737, 0.3511



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.



40.3126, 0.2456, 0.4042



72.1561, 0.2460, 0.4055



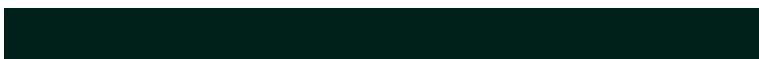
23.0592, 0.1999, 0.2397



11.3879, 0.3014, 0.3343



26.8234, 0.2453, 0.4031



1.1688, 0.2402, 0.3845

Inverse Universe

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



11.5201, 0.6004, 0.3081



20.6007, 0.6038, 0.3100



13.7470, 0.6045, 0.3582



10.1147, 0.3254, 0.3238



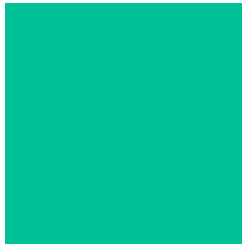
7.6720, 0.5973, 0.3064



0.3424, 0.5330, 0.2710

Previews

White Background



This preview shows how the Yxy color 40.3099, 0.2456, 0.4042 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 40.3099, 0.2456, 0.4042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

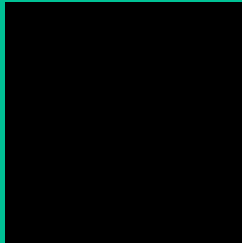
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3099, 0.2456, 0.4042

Background



This preview shows how black text looks on a background with the Yxy color 40.3099, 0.2456, 0.4042.

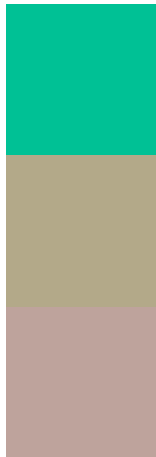


This preview shows how white text looks on a background with the Yxy color 40.3099, 0.2456, 0.4042.

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

40.3099, 0.2456, 0.4042

Protanopia

39.7658, 0.3504, 0.3736

Deuteranopia

39.5418, 0.3452, 0.3384



Tritanopia

40.2955, 0.2275, 0.3059

Trichromacy



Original Color

40.3099, 0.2456, 0.4042



Protanomaly

37.3413, 0.2883, 0.3891



Deuteranomaly

36.6370, 0.2846, 0.3624



Tritanomaly

40.1847, 0.2322, 0.3400

Monochromacy



Original Color

40.3099, 0.2456, 0.4042



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

26.4276, 0.2644, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3099, 0.2456, 0.4042 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(0, 193, 149)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 149)  
}
```

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(0, 193, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 149) }
```

Border

The CSS property to change the border of an element to Yxy 40.3099, 0.2456, 0.4042 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(0, 193, 149) }
```

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

```
.border{ border-color:rgb(0, 193, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 193, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 149);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3099, 0.2456, 0.4042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 149) }
```

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

```
.background{ background-color: rgb(0, 193,  
149) }
```

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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