

Converting Colors

$Y_{xy}(35.8340, 0.2256, 0.4182)$

Have a look what the booklet for
Yxy(35.8340, 0.2256, 0.4182)
contains.

Yxy(37.4341, 0.2479, 0.4123)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.4341, 0.2479, 0.4123)

Conversions

Conversions Part 1

Format	Color
Hex	00BB8C
RGB	0, 187, 140
RGB Percent	0%, 73%, 55%
CMY	0.9984, 0.2667, 0.4510
CMYK	1.00, 0.00, 0.25, 0.27
HSL	165°, 100%, 37%
HSV	165°, 100%, 73%
XYZ	22.5077, 37.4341, 30.8516
YIQ	125.7290, -96.3650, -54.2610

Conversions

Conversions Part 2

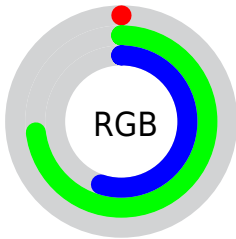
Format	Color
RYB	0, 107, 187
Decimal	48012
CIELab	67.60, -51.01, 12.78
CIELCh	68, 52.589, 165.937
Yxy	37.4341, 0.2479, 0.4123
Android (android.graphics.Color)	4278238092 (0xFF00BB8C)
YUV	125.7290, 7.0356, -110.2643
Hunter-Lab	61.1834, -41.4058, 12.9316

Details

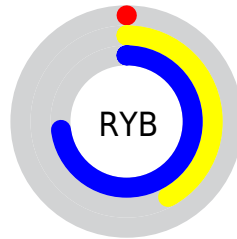
The Yxy color **37.4341, 0.2479, 0.4123** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.7814, 0.5920, 0.3037**, and the grayscale version is **20.8094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1378, 0.2606, 0.3942**, and **17.2407, 0.2536, 0.4331** is the 20% darker color. If you saturate the color by 10%, you get **37.4300, 0.2479, 0.4125**, and if you desaturate by 10%, it is **37.7144, 0.2472, 0.4030**.

Distribution



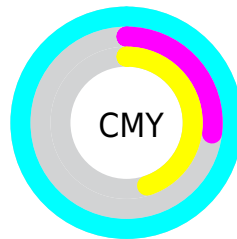
- Red (0%)
- Green (73%)
- Blue (55%)



- Red (0%)
- Yellow (42%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (27%)



- Cyan (100%)
- Magenta (27%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.4341, 0.2479, 0.4123 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 37.4341, 0.2479, 0.4123 by changing the saturation by 10% instead.


 37.4341, 0.2479,
0.4123

 37.4341, 0.2479,
0.4123


335.1861, 0.2823,
0.3671

 25.5438, 0.2387,
0.4249


 71.2399, 0.2609,
0.3949

 16.4826, 0.2264,
0.4418


 93.9242, 0.2656,
0.3887

 9.8663, 0.2095,
0.4659


 120.9753, 0.2695,
0.3835

 5.3104, 0.1847,
0.5025

 152.7775, 0.2729,
0.3792

 2.4305, 0.1414,
0.5665

 189.7153, 0.2757,
0.3755

 0.8415, 0.0000,
0.9735

 232.1731, 0.2782,

 0.0000, 0.0000,

0.3723

0.0000

280.5353, 0.2804,
0.3695

■ 37.4341, 0.2479,
0.4123

■ 37.4341, 0.2479,
0.4123

■ 37.4300, 0.2479,
0.4125

■ 37.7144, 0.2472,
0.4030

■ 38.1311, 0.2480,
0.3937

■ 38.7321, 0.2508,
0.3843

■ 39.5409, 0.2555,
0.3751

■ 40.5777, 0.2620,
0.3661

■ 41.8602, 0.2701,
0.3576

■ 43.4043, 0.2795,
0.3495

■ 45.2244, 0.2900,
0.3420

■ 47.3342, 0.3013,
0.3351

Harmonies

Analogous

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



37.4341, 0.3194, 0.4686



37.4341, 0.2479, 0.4123



37.4341, 0.1977, 0.3275

Triad

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



37.4341, 0.2479, 0.4123



37.4341, 0.2250, 0.2104



37.4341, 0.4691, 0.3693

Complementary

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



37.4341, 0.2479, 0.4123



10.7814, 0.5920, 0.3037

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.



37.4341, 0.4401, 0.3122



37.4341, 0.2479, 0.4123



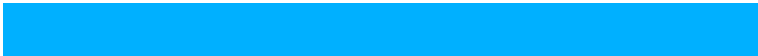
37.4341, 0.2895, 0.2259

Square

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



37.4341, 0.2479, 0.4123



37.4341, 0.1872, 0.2195



37.4341, 0.3703, 0.2619



37.4341, 0.4492, 0.4257

Rectangle

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



37.4341, 0.2479, 0.4123



37.4341, 0.1810, 0.2777



37.4341, 0.3703, 0.2619



37.4341, 0.4651, 0.3500

Sweetspot

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



37.4356, 0.2479, 0.4123



77.5309, 0.2788, 0.3501



36.2224, 0.3114, 0.5908



16.8058, 0.2747, 0.3534



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



37.4356, 0.2479, 0.4123



66.9994, 0.2483, 0.4140



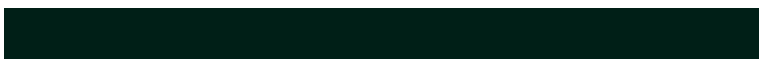
23.3728, 0.2034, 0.2520



10.7674, 0.3017, 0.3348



25.8027, 0.2476, 0.4114



1.0206, 0.2414, 0.3892

Inverse Universe

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



10.7814, 0.5920, 0.3037



19.2585, 0.5964, 0.3059



12.3620, 0.6108, 0.3529



9.5747, 0.3250, 0.3232



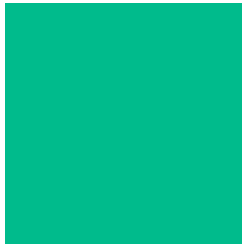
7.4312, 0.5896, 0.3022



0.3020, 0.5197, 0.2636

Previews

White Background



This preview shows how the Yxy color 37.4341, 0.2479, 0.4123 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 37.4341, 0.2479, 0.4123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

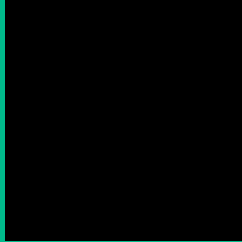
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4341, 0.2479, 0.4123

Background



This preview shows how black text looks on a background with the Yxy color 37.4341, 0.2479, 0.4123.



This preview shows how white text looks on a background with the Yxy color 37.4341, 0.2479, 0.4123.

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

37.4341, 0.2479, 0.4123

Protanopia

36.7780, 0.3546, 0.3778

Deuteranopia

36.8746, 0.3501, 0.3442



Tritanopia

37.4982, 0.2284, 0.3068

Trichromacy



Original Color

37.4341, 0.2479, 0.4123



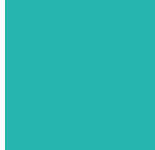
Protanomaly

34.5780, 0.2914, 0.3946



Deuteranomaly

34.2411, 0.2885, 0.3701



Tritanomaly

37.3350, 0.2336, 0.3437

Monochromacy



Original Color

37.4341, 0.2479, 0.4123



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

24.5240, 0.2655, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4341, 0.2479, 0.4123 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, 187, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 140)  
}
```

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, 187, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 140) }
```

Border

The CSS property to change the border of an element to Yxy 37.4341, 0.2479, 0.4123 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, 187, 140) }
```

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

```
.border{ border-color:rgb(0, 187, 140) }
```

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

Here you see how a box with a 4 pixel rgb(0, 187, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4341, 0.2479, 0.4123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 140) }
```

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

```
.background{ background-color: rgb(0, 187,  
140) }
```

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