

Converting Colors

$Y_{xy}(54.4735, 0.2373, 0.3742)$

Have a look what the booklet for
Yxy(54.4735, 0.2373, 0.3742)
contains.

Yxy(54.3372, 0.2370, 0.3730)	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(54.3372, 0.2370, 0.3730)

Conversions

Conversions Part 1

Format	Color
Hex	01DBBD
RGB	1, 219, 189
RGB Percent	0%, 86%, 74%
CMY	0.9964, 0.1412, 0.2588
CMYK	1.00, 0.00, 0.14, 0.14
HSL	172°, 99%, 43%
HSV	172°, 100%, 86%
XYZ	34.5252, 54.3372, 56.8137
YIQ	150.3980, -120.2980, -55.5460

Conversions

Conversions Part 2

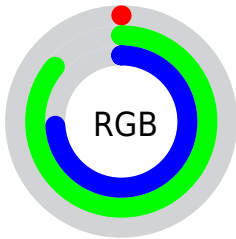
Format	Color
RYB	1, 118, 219
Decimal	121789
CIELab	78.66, -51.25, 2.19
CIELCh	79, 51.301, 177.553
Yxy	54.3372, 0.2370, 0.3730
Android (android.graphics.Color)	4278311869 (0xFF01DBBD)
YUV	150.3980, 19.0308, -131.0220
Hunter-Lab	73.7138, -45.3952, 5.9028

Details

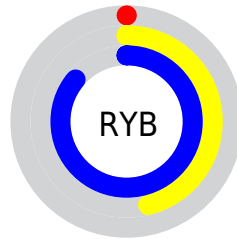
The Yxy color **54.3372, 0.2370, 0.3730** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **15.1774, 0.6228, 0.3208**, and the grayscale version is **30.6208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3007, 0.2447, 0.3406**, and **27.9720, 0.2394, 0.3817** is the 20% darker color. If you saturate the color by 10%, you get **54.3278, 0.2370, 0.3732**, and if you desaturate by 10%, it is **54.6456, 0.2371, 0.3682**.

Distribution



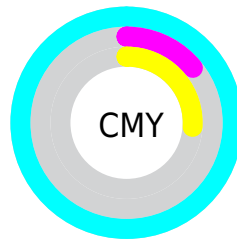
- Red (0%)
- Green (86%)
- Blue (74%)



- Red (0%)
- Yellow (46%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (14%)



- Cyan (100%)
- Magenta (14%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.3372, 0.2370, 0.3730 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 54.3372, 0.2370, 0.3730 by changing the saturation by 10% instead.


 54.3372, 0.2370,
0.3730


 54.3372, 0.2370,
0.3730


403.3946, 0.2736,
0.3515

 38.8713, 0.2283,
0.3782


 96.5692, 0.2500,
0.3653


 26.6596, 0.2173,
0.3848


 124.1040, 0.2550,
0.3624


 17.3178, 0.2032,
0.3933


 156.4307, 0.2592,
0.3599

 10.4613, 0.1843,
0.4049

 193.9335, 0.2629,
0.3578

 5.7059, 0.1582,
0.4212

 236.9969, 0.2661,
0.3559

 2.6671, 0.1192,
0.4463

286.0053, 0.2689,

 0.9605, 0.0000,

0.3542

0.5189


341.3431, 0.2714,
0.3528


 0.0000, 0.0000,
0.0000


 54.3372, 0.2370,
0.3730


 54.3372, 0.2370,
0.3730


 54.3278, 0.2370,
0.3732

 54.6456, 0.2371,
0.3682

 55.1520, 0.2388,
0.3634

 55.9180, 0.2424,
0.3585

 56.9787, 0.2480,
0.3537

 58.3637, 0.2554,
0.3489

■ 60.0990, 0.2645,
0.3444

■ 62.2079, 0.2752,
0.3401

■ 64.7119, 0.2871,
0.3360

■ 67.6306, 0.2999,
0.3323

Harmonies

Analogous

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



54.3372, 0.2946, 0.4339



54.3372, 0.2370, 0.3730



54.3372, 0.2019, 0.3028

Triad

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



54.3372, 0.2370, 0.3730



54.3372, 0.2558, 0.2271



54.3372, 0.4467, 0.3864

Complementary

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



54.3372, 0.2370, 0.3730



15.1774, 0.6228, 0.3208

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.



54.3372, 0.4373, 0.3350



54.3372, 0.2370, 0.3730



54.3372, 0.3196, 0.2485

Square

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



54.3372, 0.2370, 0.3730



54.3372, 0.2123, 0.2270



54.3372, 0.3885, 0.2866



54.3372, 0.4168, 0.4315

Rectangle

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



54.3372, 0.2370, 0.3730



54.3372, 0.1935, 0.2657



54.3372, 0.3885, 0.2866



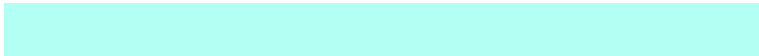
54.3372, 0.4483, 0.3694

Sweetspot

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



54.3393, 0.2370, 0.3730



87.6051, 0.2744, 0.3403



50.9950, 0.3040, 0.5966



18.4693, 0.2698, 0.3422



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.



54.3393, 0.2370, 0.3730



76.6837, 0.2371, 0.3736



24.6656, 0.1916, 0.2094



14.7972, 0.3000, 0.3322



32.2284, 0.2368, 0.3725



2.0966, 0.2346, 0.3646

Inverse Universe

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



15.1774, 0.6228, 0.3208



21.3818, 0.6251, 0.3217



20.4035, 0.5843, 0.3739



13.0805, 0.3270, 0.3258



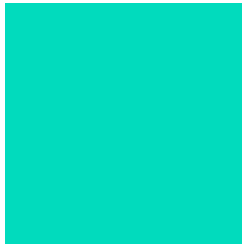
8.9952, 0.6211, 0.3195



0.5924, 0.5831, 0.2986

Previews

White Background



This preview shows how the Yxy color 54.3372, 0.2370, 0.3730 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 54.3372, 0.2370, 0.3730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

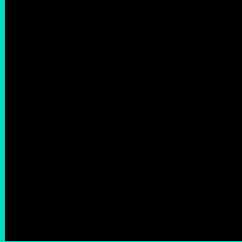
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

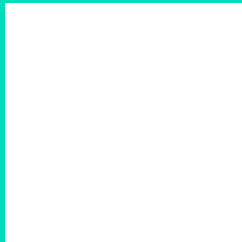
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.3372, 0.2370, 0.3730

Background



This preview shows how black text looks on a background with the Yxy color 54.3372, 0.2370, 0.3730.

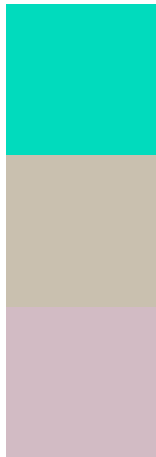


This preview shows how white text looks on a background with the Yxy color 54.3372, 0.2370, 0.3730.

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

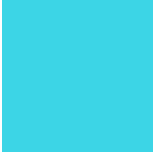
54.3436, 0.2370, 0.3730

Protanopia

53.2119, 0.3333, 0.3500

Deuteranopia

53.2278, 0.3249, 0.3184



Tritanopia

54.2623, 0.2251, 0.3058

Trichromacy



Original Color

54.3436, 0.2370, 0.3730



Protanomaly

50.1255, 0.2748, 0.3600



Deuteranomaly

49.7654, 0.2702, 0.3372



Tritanomaly

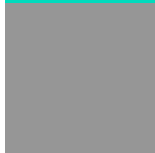
53.9385, 0.2280, 0.3288

Monochromacy



Original Color

54.3436, 0.2370, 0.3730



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.8271, 0.2600, 0.3468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.3372, 0.2370, 0.3730 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(1, 219, 189)` looks like.

```
.text, #text, p{  
    color:rgb(1, 219, 189)  
}
```

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(1, 219, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 219, 189) }
```

Border

The CSS property to change the border of an element to Yxy 54.3372, 0.2370, 0.3730 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(1, 219, 189) }
```

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

```
.border{ border-color:rgb(1, 219, 189) }
```

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

Here you see how a box with a 4 pixel rgb(1, 219, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 219, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 219, 189);  
box-shadow:4px 4px 4px 4px rgb(1, 219,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 54.3372, 0.2370, 0.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 219, 189) }
```

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

```
.background{ background-color: rgb(1, 219,  
189) }
```

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