

Converting Colors

$Y_{xy}(40.8893, 0.1832, 0.3721)$

Have a look what the booklet for
Yxy(40.8893, 0.1832, 0.3721)
contains.

Yxy(45.4554, 0.2352, 0.3667)	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(45.4554, 0.2352, 0.3667)

Conversions

Conversions Part 1

Format	Color
Hex	00CAB2
RGB	0, 202, 178
RGB Percent	0%, 79%, 70%
CMY	0.9999, 0.2078, 0.3020
CMYK	1.00, 0.00, 0.12, 0.21
HSL	173°, 100%, 40%
HSV	173°, 100%, 79%
XYZ	29.1549, 45.4554, 49.3477
YIQ	138.8660, -112.6880, -50.2880

Conversions

Conversions Part 2

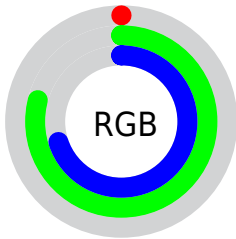
Format	Color
RYB	0, 107, 202
Decimal	51890
CIELab	73.19, -47.24, 0.15
CIELCh	73, 47.238, 179.817
Yxy	45.4554, 0.2352, 0.3667
Android (android.graphics.Color)	4278241970 (0xFF00CAB2)
YUV	138.8660, 19.2931, -121.7855
Hunter-Lab	67.4206, -40.7967, 3.7979

Details

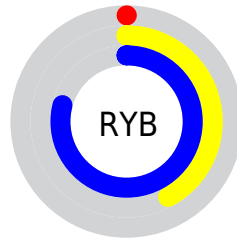
The Yxy color **45.4554, 0.2352, 0.3667** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **12.6238, 0.6263, 0.3224**, and the grayscale version is **25.7242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3441, 0.2477, 0.3540**, and **22.3481, 0.2378, 0.3759** is the 20% darker color. If you saturate the color by 10%, you get **45.4569, 0.2352, 0.3667**, and if you desaturate by 10%, it is **45.7054, 0.2356, 0.3626**.

Distribution



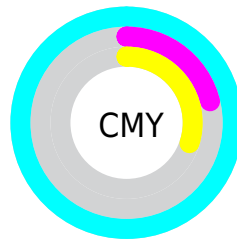
- Red (0%)
- Green (79%)
- Blue (70%)



- Red (0%)
- Yellow (42%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (21%)



- Cyan (100%)
- Magenta (21%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4554, 0.2352, 0.3667 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 45.4554, 0.2352, 0.3667 by changing the saturation by 10% instead.


 45.4554, 0.2352,
0.3667


 45.4554, 0.2352,
0.3667


368.6148, 0.2737,
0.3480


 31.8163, 0.2257,
0.3713


 83.4034, 0.2491,
0.3599


 21.2212, 0.2137,
0.3772


 108.4810, 0.2543,
0.3574


 13.2858, 0.1979,
0.3849


 138.1403, 0.2588,
0.3552

 7.6256, 0.1764,
0.3954

 172.7656, 0.2626,
0.3534

 3.8564, 0.1458,
0.4104

 212.7413, 0.2659,
0.3517

 1.5935, 0.0662,
0.4492


258.4518, 0.2688,

 0.3532, 0.0000,

0.3503


0.4857


310.2815, 0.2714,
0.3491


 0.0000, 0.0000,
0.0000

 45.4554, 0.2352,
0.3667


 45.4554, 0.2352,
0.3667


 45.4569, 0.2352,
0.3667

 45.7054, 0.2356,
0.3626

 46.1130, 0.2374,
0.3585

 46.7343, 0.2411,
0.3544

 47.5981, 0.2468,
0.3502

 48.7289, 0.2543,
0.3462

■ 50.1479, 0.2635,
0.3423

■ 51.8744, 0.2742,
0.3386

■ 53.9260, 0.2862,
0.3352

■ 56.3188, 0.2991,
0.3319

Harmonies

Analogous

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



45.4554, 0.2904, 0.4279



45.4554, 0.2352, 0.3667



45.4554, 0.2026, 0.2989

Triad

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



45.4554, 0.2352, 0.3667



45.4554, 0.2612, 0.2300



45.4554, 0.4428, 0.3892

Complementary

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



45.4554, 0.2352, 0.3667



12.6238, 0.6263, 0.3224

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.



45.4554, 0.4366, 0.3390



45.4554, 0.2352, 0.3667



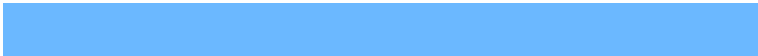
45.4554, 0.3248, 0.2524

Square

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



45.4554, 0.2352, 0.3667



45.4554, 0.2167, 0.2282



45.4554, 0.3914, 0.2909



45.4554, 0.4113, 0.4322

Rectangle

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



45.4554, 0.2352, 0.3667



45.4554, 0.1957, 0.2638



45.4554, 0.3914, 0.2909



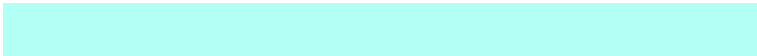
45.4554, 0.4454, 0.3727

Sweetspot

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



45.4571, 0.2352, 0.3667



87.6921, 0.2737, 0.3388



42.4757, 0.3034, 0.5973



18.4903, 0.2690, 0.3403



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.



45.4571, 0.2352, 0.3667



76.9385, 0.2354, 0.3673



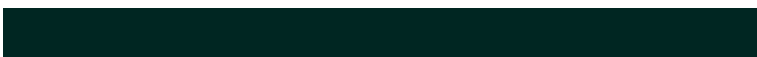
19.6884, 0.1899, 0.2034



12.7032, 0.2999, 0.3318



29.2582, 0.2350, 0.3661



1.5160, 0.2328, 0.3581

Inverse Universe

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



12.6238, 0.6263, 0.3224



21.3554, 0.6283, 0.3235



17.4658, 0.5799, 0.3777



11.2350, 0.3272, 0.3263



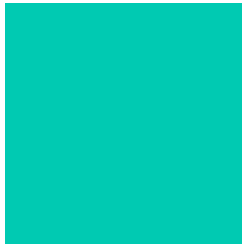
8.1295, 0.6241, 0.3212



0.4268, 0.5831, 0.2986

Previews

White Background



This preview shows how the Yxy color 45.4554, 0.2352, 0.3667 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 45.4554, 0.2352, 0.3667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

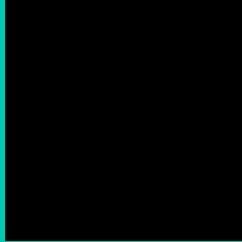
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

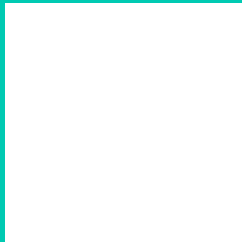
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.4554, 0.2352, 0.3667

Background



This preview shows how black text looks on a background with the Yxy color 45.4554, 0.2352, 0.3667.

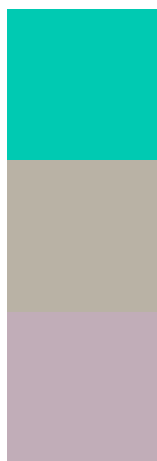


This preview shows how white text looks on a background with the Yxy color 45.4554, 0.2352, 0.3667.

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

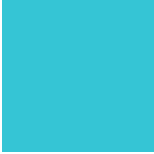
45.4554, 0.2352, 0.3667

Protanopia

44.8717, 0.3296, 0.3462

Deuteranopia

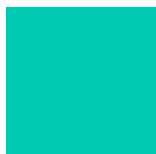
44.6853, 0.3214, 0.3150



Tritanopia

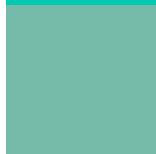
45.4935, 0.2246, 0.3055

Trichromacy



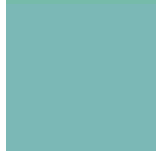
Original Color

45.4554, 0.2352, 0.3667



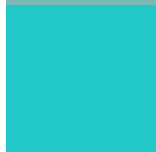
Protanomaly

42.2945, 0.2725, 0.3546



Deuteranomaly

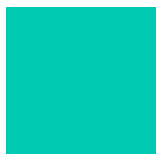
41.8693, 0.2675, 0.3318



Tritanomaly

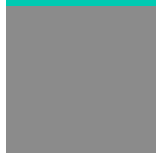
45.3571, 0.2273, 0.3272

Monochromacy



Original Color

45.4554, 0.2352, 0.3667



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

30.2153, 0.2588, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4554, 0.2352, 0.3667 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, 202, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 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(0, 202, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 178) }
```

Border

The CSS property to change the border of an element to Yxy 45.4554, 0.2352, 0.3667 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, 202, 178) }
```

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

```
.border{ border-color:rgb(0, 202, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 202, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4554, 0.2352, 0.3667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 202, 178) }
```

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

```
.background{ background-color: rgb(0, 202,  
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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