

Converting Colors

$Y_{xy}(45.1644, 0.2448, 0.3534)$

Have a look what the booklet for
Yxy(45.1644, 0.2448, 0.3534)
contains.

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Color

Yxy(45.1052, 0.2447, 0.3533)

Conversions

Conversions Part 1

Format	Color
Hex	47C6B6
RGB	71, 198, 182
RGB Percent	28%, 78%, 71%
CMY	0.7213, 0.2235, 0.2862
CMYK	0.64, 0.00, 0.08, 0.22
HSL	172°, 53%, 53%
HSV	172°, 64%, 78%
XYZ	31.2404, 45.1052, 51.3226
YIQ	158.2030, -70.5560, -31.9000

Conversions

Conversions Part 2

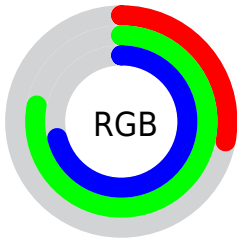
Format	Color
RYB	71, 139, 198
Decimal	4703926
CIELab	72.96, -38.39, -2.27
CIELCh	73, 38.459, 183.380
Yxy	45.1052, 0.2447, 0.3533
Android (android.graphics.Color)	4282894006 (0xFF47C6B6)
YUV	158.2030, 11.7319, -76.4770
Hunter-Lab	67.1604, -34.4994, 1.7040

Details

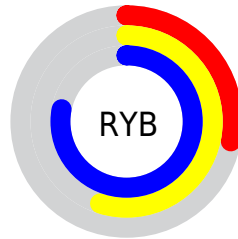
The Yxy color **45.1052, 0.2447, 0.3533** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **17.2090, 0.4923, 0.3107**, and the grayscale version is **34.2675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6796, 0.2566, 0.3486**, and **21.2299, 0.2330, 0.3589** is the 20% darker color. If you saturate the color by 10%, you get **44.3734, 0.2399, 0.3577**, and if you desaturate by 10%, it is **46.0862, 0.2514, 0.3490**.

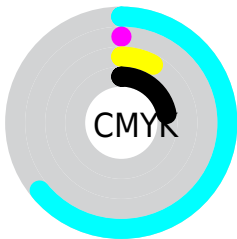
Distribution



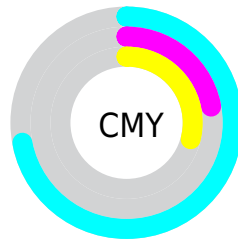
- Red (28%)
- Green (78%)
- Blue (71%)



- Red (28%)
- Yellow (55%)
- Blue (78%)



- Cyan (64%)
- Magenta (0%)
- Yellow (8%)
- Black (22%)





- Cyan (72%)
- Magenta (22%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1052, 0.2447, 0.3533 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 45.1052, 0.2447, 0.3533 by changing the saturation by 10% instead.


 45.1052, 0.2447,
0.3533

 45.1052, 0.2447,
0.3533


367.1995, 0.2785,
0.3415


 31.5403, 0.2364,
0.3561


 82.8783, 0.2569,
0.3491


 21.0106, 0.2258,
0.3597


 107.8552, 0.2615,
0.3475

 13.1318, 0.2119,
0.3643


 137.4049, 0.2654,
0.3461

 7.5193, 0.1928,
0.3705

 171.9119, 0.2688,
0.3449

 3.7890, 0.1653,
0.3789

211.7604, 0.2717,
0.3439

 1.5562, 0.1089,
0.3971

257.3349, 0.2742,

 0.3278, 0.0000,

0.3430

0.3887

309.0198, 0.2765,
0.3422

■ 0.0000, 0.0000,
0.0000

■ 45.1052, 0.2447,
0.3533

■ 45.1052, 0.2447,
0.3533

■ 44.3734, 0.2399,
0.3577

■ 46.0862, 0.2514,
0.3490

■ 43.8609, 0.2370,
0.3621

■ 47.3326, 0.2599,
0.3448

■ 43.5396, 0.2359,
0.3664

■ 48.8651, 0.2700,
0.3408

■ 43.4066, 0.2358,
0.3690

■ 50.7012, 0.2814,
0.3370

■ 52.8567, 0.2939,
0.3335

■ 55.3464, 0.3071,
0.3302

■ 58.1843, 0.3209,
0.3273

■ 61.3835, 0.3349,
0.3247

■ 64.9562, 0.3489,
0.3224

Harmonies

Analogous

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



45.1052, 0.2893, 0.4035



45.1052, 0.2447, 0.3533



45.1052, 0.2192, 0.2998

Triad

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



45.1052, 0.2447, 0.3533



45.1052, 0.2762, 0.2474



45.1052, 0.4182, 0.3857

Complementary

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



45.1052, 0.2447, 0.3533



17.2090, 0.4923, 0.3107

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.



45.1052, 0.4161, 0.3440



45.1052, 0.2447, 0.3533



45.1052, 0.3298, 0.2682

Square

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



45.1052, 0.2447, 0.3533



45.1052, 0.2362, 0.2442



45.1052, 0.3827, 0.3024



45.1052, 0.3903, 0.4180

Rectangle

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



45.1052, 0.2447, 0.3533



45.1052, 0.2148, 0.2719



45.1052, 0.3827, 0.3024



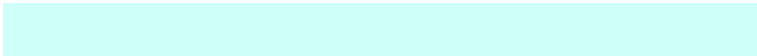
45.1052, 0.4212, 0.3723

Sweetspot

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



45.1069, 0.2447, 0.3533



91.5539, 0.2873, 0.3353



42.9168, 0.3123, 0.5286



19.3650, 0.2837, 0.3363



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.



45.1069, 0.2447, 0.3533



78.1679, 0.2385, 0.3595



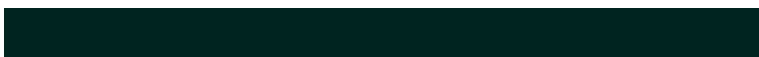
27.6992, 0.2193, 0.2538



12.0437, 0.3000, 0.3319



28.2381, 0.2357, 0.3684



1.3437, 0.2332, 0.3593

Inverse Universe

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



17.2090, 0.4923, 0.3107



24.9824, 0.5539, 0.3119



25.3256, 0.4717, 0.3871



10.6583, 0.3270, 0.3261



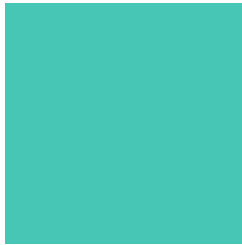
7.8601, 0.6226, 0.3203



0.3795, 0.5774, 0.2955

Previews

White Background



This preview shows how the Yxy color 45.1052, 0.2447, 0.3533 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 45.1052, 0.2447, 0.3533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

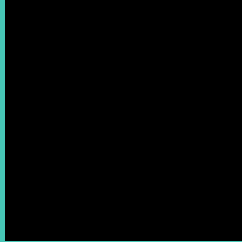
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

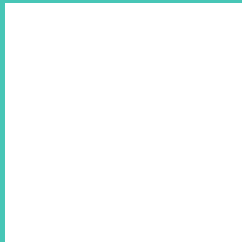
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1052, 0.2447, 0.3533

Background



This preview shows how black text looks on a background with the Yxy color 45.1052, 0.2447, 0.3533.

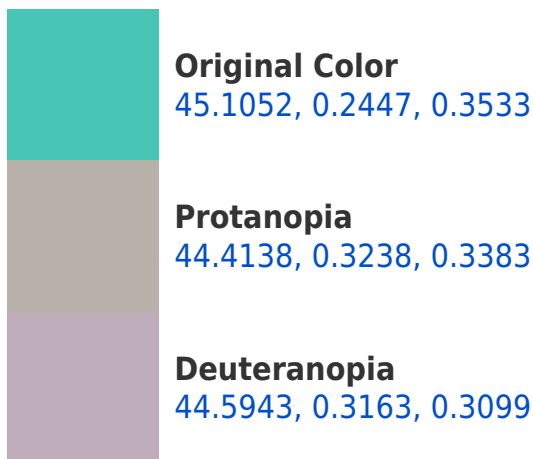


This preview shows how white text looks on a background with the Yxy color 45.1052, 0.2447, 0.3533.

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





Tritanopia

45.0757, 0.2340, 0.3058

Trichromacy



Original Color

45.1052, 0.2447, 0.3533

Protanomaly

43.5047, 0.2864, 0.3448

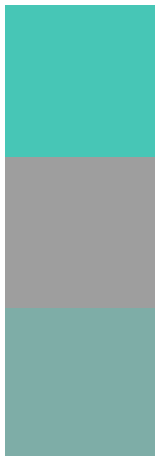
Deuteranomaly

43.2041, 0.2815, 0.3233

Tritanomaly

44.8626, 0.2376, 0.3214

Monochromacy



Original Color

45.1052, 0.2447, 0.3533

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

37.1128, 0.2781, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1052, 0.2447, 0.3533 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(71, 198, 182)` looks like.

```
.text, #text, p{  
    color:rgb(71, 198, 182)  
}
```

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(71, 198, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 198, 182) }
```

Border

The CSS property to change the border of an element to Yxy 45.1052, 0.2447, 0.3533 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(71, 198, 182) }
```

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

```
.border{ border-color:rgb(71, 198, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 198, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 198, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 198, 182);  
box-shadow:4px 4px 4px 4px rgb(71, 198,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1052, 0.2447, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 198, 182) }
```

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

```
.background{ background-color: rgb(71, 198,  
182) }
```

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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