

Converting Colors

$Y_{xy}(45.0639, 0.2515, 0.3659)$

Have a look what the booklet for
Yxy(45.0639, 0.2515, 0.3659)
contains.

Yxy(45.0639, 0.2515, 0.3659)	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(45.0639, 0.2515, 0.3659)

Conversions

Conversions Part 1

Format	Color
Hex	4EC6AE
RGB	78, 198, 174
RGB Percent	31%, 78%, 68%
CMY	0.6943, 0.2235, 0.3176
CMYK	0.61, 0.00, 0.12, 0.22
HSL	168°, 51%, 54%
HSV	168°, 61%, 78%
XYZ	30.9745, 45.0639, 47.1207
YIQ	159.3840, -63.8160, -32.9040

Conversions

Conversions Part 2

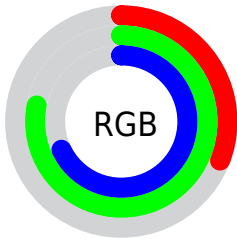
Format	Color
RYB	78, 145, 198
Decimal	5162670
CIELab	72.93, -39.26, 2.05
CIElCh	73, 39.310, 177.004
Yxy	45.0639, 0.2515, 0.3659
Android (android.graphics.Color)	4283352750 (0xFF4EC6AE)
YUV	159.3840, 7.2057, -71.3738
Hunter-Lab	67.1297, -35.1146, 5.3730

Details

The Yxy color **45.0639, 0.2515, 0.3659** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **18.4069, 0.4625, 0.2997**, and the grayscale version is **34.8401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5804, 0.2627, 0.3593**, and **21.0501, 0.2375, 0.3748** is the 20% darker color. If you saturate the color by 10%, you get **44.2000, 0.2466, 0.3731**, and if you desaturate by 10%, it is **46.1876, 0.2583, 0.3589**.

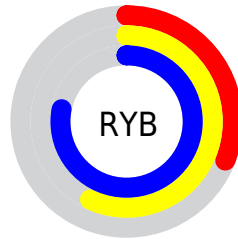
Distribution



Red (31%)

Green (78%)

Blue (68%)



Red (31%)

Yellow (57%)

Blue (78%)

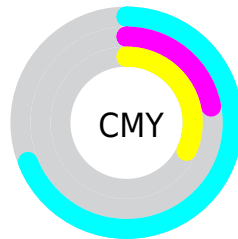


Cyan (61%)

Magenta (0%)

Yellow (12%)

Black (22%)



Cyan (69%)


Magenta (22%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0639, 0.2515, 0.3659 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 45.0639, 0.2515, 0.3659 by changing the saturation by 10% instead.


 45.0639, 0.2515,
0.3659


 45.0639, 0.2515,
0.3659


367.0323, 0.2822,
0.3472


 31.5078, 0.2439,
0.3706


 82.8163, 0.2626,
0.3591


 20.9858, 0.2341,
0.3767


 107.7813, 0.2668,
0.3565

 13.1136, 0.2211,
0.3848

 137.3181, 0.2704,
0.3544

 7.5068, 0.2030,
0.3963

 171.8111, 0.2734,
0.3525

 3.7810, 0.1766,
0.4134

211.6446, 0.2760,
0.3509

 1.5518, 0.1169,
0.4506

257.2030, 0.2783,

 0.3248, 0.0000,

0.3496

0.6073

308.8708, 0.2804,
0.3483

0.0000, 0.0000,
0.0000

45.0639, 0.2515,
0.3659

45.0639, 0.2515,
0.3659

44.2000, 0.2466,
0.3731

46.1876, 0.2583,
0.3589

43.5671, 0.2436,
0.3804

47.5862, 0.2667,
0.3521

43.1392, 0.2425,
0.3876

49.2800, 0.2766,
0.3458

42.8751, 0.2429,
0.3944

51.2858, 0.2876,
0.3398

53.6192, 0.2995,
0.3343

■ 56.2947, 0.3119,
0.3293

■ 59.3258, 0.3247,
0.3248

■ 62.7256, 0.3376,
0.3208

■ 66.2855, 0.3494,
0.3172

Harmonies

Analogous

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



45.0639, 0.3000, 0.4134



45.0639, 0.2515, 0.3659



45.0639, 0.2209, 0.3098

Triad

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



45.0639, 0.2515, 0.3659



45.0639, 0.2652, 0.2434



45.0639, 0.4229, 0.3780

Complementary

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



45.0639, 0.2515, 0.3659



18.4069, 0.4625, 0.2997

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.



45.0639, 0.4137, 0.3348



45.0639, 0.2515, 0.3659



45.0639, 0.3180, 0.2612

Square

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



45.0639, 0.2515, 0.3659



45.0639, 0.2285, 0.2443



45.0639, 0.3738, 0.2935



45.0639, 0.4001, 0.4142

Rectangle

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



45.0639, 0.2515, 0.3659



45.0639, 0.2131, 0.2787



45.0639, 0.3738, 0.2935



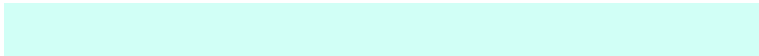
45.0639, 0.4236, 0.3639

Sweetspot

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



45.0657, 0.2515, 0.3659



91.7333, 0.2903, 0.3385



43.7631, 0.3181, 0.5147



19.3889, 0.2869, 0.3401



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.



45.0657, 0.2515, 0.3659



77.8318, 0.2453, 0.3756



31.5326, 0.2265, 0.2720



12.0298, 0.3010, 0.3337



27.8932, 0.2426, 0.3934



1.3303, 0.2384, 0.3784

Inverse Universe

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



18.4069, 0.4625, 0.2997



26.5392, 0.5173, 0.2987



24.5838, 0.4677, 0.3748



10.6710, 0.3259, 0.3244



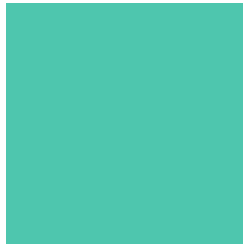
7.9153, 0.6056, 0.3110



0.3853, 0.5476, 0.2790

Previews

White Background



This preview shows how the Yxy color 45.0639, 0.2515, 0.3659 looks on a white background.

Color Contrast Check

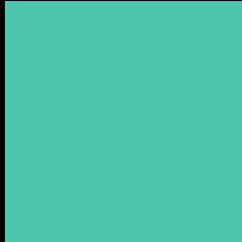
Large Text (above 18pt) WCAG AA × Fail

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 45.0639, 0.2515, 0.3659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

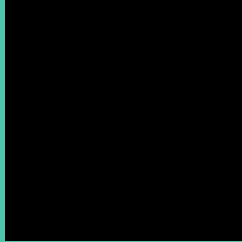
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

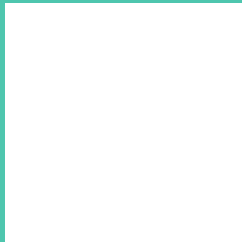
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.0639, 0.2515, 0.3659

Background



This preview shows how black text looks on a background with the Yxy color 45.0639, 0.2515, 0.3659.

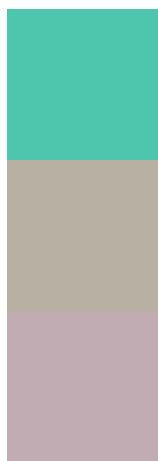


This preview shows how white text looks on a background with the Yxy color 45.0639, 0.2515, 0.3659.

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

45.0639, 0.2515, 0.3659

Protanopia

44.2790, 0.3306, 0.3477

Deuteranopia

44.2697, 0.3258, 0.3188



Tritanopia

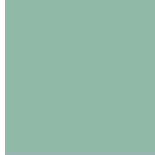
44.9675, 0.2373, 0.3059

Trichromacy



Original Color

45.0639, 0.2515, 0.3659



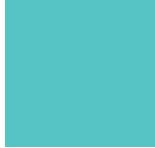
Protanomaly

43.5077, 0.2937, 0.3550



Deuteranomaly

42.9375, 0.2910, 0.3332



Tritanomaly

44.9942, 0.2424, 0.3273

Monochromacy



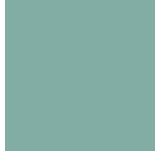
Original Color

45.0639, 0.2515, 0.3659



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

37.3133, 0.2834, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0639, 0.2515, 0.3659 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(78, 198, 174)` looks like.

```
.text, #text, p{  
    color:rgb(78, 198, 174)  
}
```

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(78, 198, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 198, 174) }
```

Border

The CSS property to change the border of an element to Yxy 45.0639, 0.2515, 0.3659 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(78, 198, 174) }
```

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

```
.border{ border-color:rgb(78, 198, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 198, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 198, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 198, 174);  
box-shadow:4px 4px 4px 4px rgb(78, 198,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0639, 0.2515, 0.3659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 198, 174) }
```

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

```
.background{ background-color: rgb(78, 198,  
174) }
```

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