

Converting Colors

$Y_{xy}(45.1644, 0.2561, 0.3671)$

Have a look what the booklet for
Yxy(45.1644, 0.2561, 0.3671)
contains.

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Color

Yxy(44.9759, 0.2557, 0.3657)

Conversions

Conversions Part 1

Format	Color
Hex	57C5AD
RGB	87, 197, 173
RGB Percent	34%, 77%, 68%
CMY	0.6584, 0.2275, 0.3215
CMYK	0.56, 0.00, 0.12, 0.23
HSL	167°, 49%, 56%
HSV	167°, 56%, 77%
XYZ	31.4475, 44.9759, 46.5624
YIQ	161.3740, -57.8560, -30.7840

Conversions

Conversions Part 2

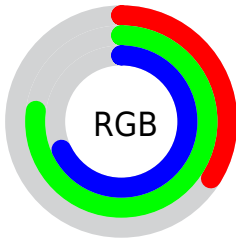
Format	Color
RYB	87, 149, 197
Decimal	5752237
CIELab	72.88, -37.26, 2.55
CIELCh	73, 37.352, 176.078
Yxy	44.9759, 0.2557, 0.3657
Android (android.graphics.Color)	4283942317 (0xFF57C5AD)
YUV	161.3740, 5.7316, -65.2260
Hunter-Lab	67.0641, -33.6605, 5.7800

Details

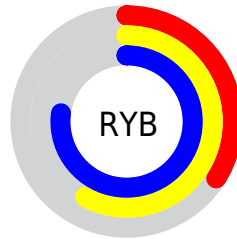
The Yxy color **44.9759, 0.2557, 0.3657** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **19.8532, 0.4407, 0.2984**, and the grayscale version is **35.8304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5048, 0.2661, 0.3591**, and **21.0835, 0.2394, 0.3770** is the 20% darker color. If you saturate the color by 10%, you get **43.9902, 0.2500, 0.3735**, and if you desaturate by 10%, it is **46.2293, 0.2632, 0.3581**.

Distribution



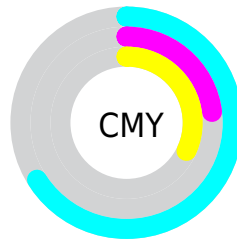
- Red (34%)
- Green (77%)
- Blue (68%)



- Red (34%)
- Yellow (58%)
- Blue (77%)



- Cyan (56%)
- Magenta (0%)
- Yellow (12%)
- Black (23%)




- Cyan (66%)
- Magenta (23%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9759, 0.2557, 0.3657 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 44.9759, 0.2557, 0.3657 by changing the saturation by 10% instead.


 44.9759, 0.2557,
0.3657

 44.9759, 0.2557,
0.3657


366.6759, 0.2843,
0.3471


 31.4384, 0.2485,
0.3704


 82.6842, 0.2661,
0.3589

 20.9329, 0.2393,
0.3766


 107.6239, 0.2700,
0.3563

 13.0750, 0.2271,
0.3848


 137.1331, 0.2733,
0.3542

 7.4802, 0.2101,
0.3964

 171.5963, 0.2762,
0.3523

 3.7642, 0.1850,
0.4139

211.3977, 0.2786,
0.3508

 1.5425, 0.1301,
0.4508

256.9219, 0.2808,

 0.3184, 0.0000,

0.3494

0.6545

308.5532, 0.2826,
0.3482

0.0000, 0.0000,
0.0000

44.9759, 0.2557,
0.3657

44.9759, 0.2557,
0.3657

43.9902, 0.2500,
0.3735

46.2293, 0.2632,
0.3581

43.2452, 0.2462,
0.3815

47.7642, 0.2722,
0.3509

42.7176, 0.2444,
0.3896

49.5999, 0.2824,
0.3441

42.3762, 0.2444,
0.3975

51.7523, 0.2937,
0.3378

42.2616, 0.2447,
0.4009

54.2363, 0.3056,
0.3321

■ 57.0657, 0.3180,
0.3269

■ 60.2537, 0.3305,
0.3222

■ 63.8127, 0.3431,
0.3181

■ 65.9273, 0.3480,
0.3140

Harmonies

Analogous

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



44.9759, 0.3024, 0.4098



44.9759, 0.2557, 0.3657



44.9759, 0.2256, 0.3125

Triad

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



44.9759, 0.2557, 0.3657



44.9759, 0.2662, 0.2469



44.9759, 0.4178, 0.3750

Complementary

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



44.9759, 0.2557, 0.3657



19.8532, 0.4407, 0.2984

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.



44.9759, 0.4079, 0.3336



44.9759, 0.2557, 0.3657



44.9759, 0.3162, 0.2634

Square

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



44.9759, 0.2557, 0.3657



44.9759, 0.2315, 0.2485



44.9759, 0.3693, 0.2941



44.9759, 0.3971, 0.4096

Rectangle

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



44.9759, 0.2557, 0.3657



44.9759, 0.2177, 0.2825



44.9759, 0.3693, 0.2941



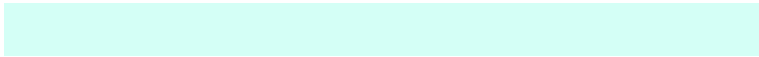
44.9759, 0.4181, 0.3614

Sweetspot

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



44.9777, 0.2557, 0.3657



92.0906, 0.2920, 0.3387



44.1127, 0.3212, 0.4977



19.5365, 0.2896, 0.3400



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.



44.9777, 0.2557, 0.3657



78.4585, 0.2490, 0.3753



33.9532, 0.2334, 0.2834



12.0264, 0.3012, 0.3341



27.8129, 0.2444, 0.3998



1.3271, 0.2398, 0.3833

Inverse Universe

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



19.8532, 0.4407, 0.2984



29.0153, 0.4877, 0.2954



25.1450, 0.4535, 0.3674



10.6742, 0.3256, 0.3240



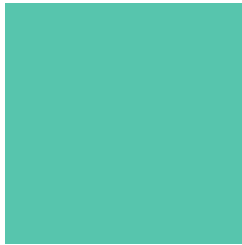
7.9327, 0.6004, 0.3081



0.3868, 0.5408, 0.2753

Previews

White Background



This preview shows how the Yxy color 44.9759, 0.2557, 0.3657 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 44.9759, 0.2557, 0.3657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

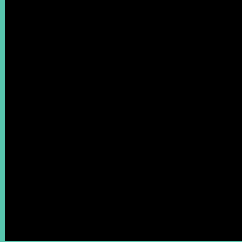
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

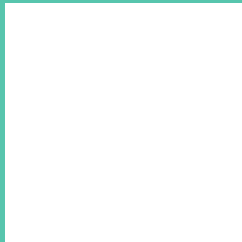
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.9759, 0.2557, 0.3657

Background



This preview shows how black text looks on a background with the Yxy color 44.9759, 0.2557, 0.3657.

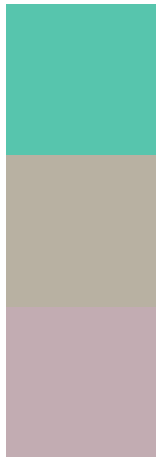


This preview shows how white text looks on a background with the Yxy color 44.9759, 0.2557, 0.3657.

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

44.9759, 0.2557, 0.3657

Protanopia

44.2433, 0.3314, 0.3490

Deuteranopia

44.1887, 0.3275, 0.3214



Tritanopia

44.9060, 0.2411, 0.3060

Trichromacy



Original Color

44.9759, 0.2557, 0.3657



Protanomaly

43.4237, 0.2976, 0.3548



Deuteranomaly

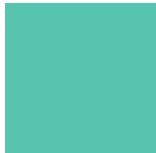
43.1509, 0.2949, 0.3360



Tritanomaly

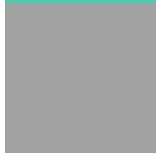
44.9566, 0.2466, 0.3273

Monochromacy



Original Color

44.9759, 0.2557, 0.3657



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

38.0570, 0.2859, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9759, 0.2557, 0.3657 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(87, 197, 173)` looks like.

```
.text, #text, p{  
    color:rgb(87, 197, 173)  
}
```

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(87, 197, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 197, 173) }
```

Border

The CSS property to change the border of an element to Yxy 44.9759, 0.2557, 0.3657 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(87, 197, 173) }
```

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

```
.border{ border-color:rgb(87, 197, 173) }
```

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

Here you see how a box with a 4 pixel rgb(87, 197, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 197, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 197, 173);  
box-shadow:4px 4px 4px 4px rgb(87, 197,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9759, 0.2557, 0.3657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 197, 173) }
```

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

```
.background{ background-color: rgb(87, 197,  
173) }
```

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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