

Converting Colors

$Y_{xy}(44.0169, 0.2573, 0.3677)$

Have a look what the booklet for
Yxy(44.0169, 0.2573, 0.3677)
contains.

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Color

Yxy(44.0072, 0.2573, 0.3676)

Conversions

Conversions Part 1

Format	Color
Hex	58C3AA
RGB	88, 195, 170
RGB Percent	35%, 76%, 67%
CMY	0.6545, 0.2353, 0.3333
CMYK	0.55, 0.00, 0.13, 0.24
HSL	166°, 47%, 56%
HSV	166°, 55%, 76%
XYZ	30.8026, 44.0072, 44.9051
YIQ	160.1570, -55.7470, -30.4590

Conversions

Conversions Part 2

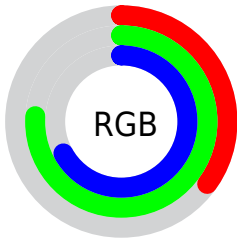
Format	Color
RYB	88, 149, 195
Decimal	5817258
CIELab	72.23, -36.87, 3.26
CIELCh	72, 37.018, 174.954
Yxy	44.0072, 0.2573, 0.3676
Android (android.graphics.Color)	4284007338 (0xFF58C3AA)
YUV	160.1570, 4.8526, -63.2817
Hunter-Lab	66.3379, -33.2086, 6.3023

Details

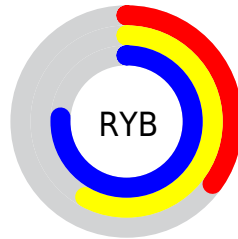
The Yxy color **44.0072, 0.2573, 0.3676** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **19.7909, 0.4345, 0.2966**, and the grayscale version is **35.2388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1680, 0.2676, 0.3605**, and **20.4593, 0.2412, 0.3799** is the 20% darker color. If you saturate the color by 10%, you get **43.0105, 0.2515, 0.3760**, and if you desaturate by 10%, it is **45.2679, 0.2648, 0.3595**.

Distribution



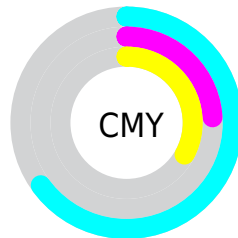
- Red (35%)
- Green (76%)
- Blue (67%)



- Red (35%)
- Yellow (58%)
- Blue (76%)



- Cyan (55%)
- Magenta (0%)
- Yellow (13%)
- Black (24%)



- Cyan (65%)
- Magenta (24%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.0072, 0.2573, 0.3676 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 44.0072, 0.2573, 0.3676 by changing the saturation by 10% instead.


 44.0072, 0.2573,
0.3676

 44.0072, 0.2573,
0.3676


362.7377, 0.2853,
0.3479

 30.6762, 0.2503,
0.3727


 81.2286, 0.2675,
0.3603

 20.3524, 0.2412,
0.3792


 105.8877, 0.2713,
0.3576

 12.6515, 0.2290,
0.3881

 135.0917, 0.2746,
0.3554

 7.1890, 0.2121,
0.4008

 169.2249, 0.2773,
0.3534

 3.5806, 0.1868,
0.4202

208.6716, 0.2797,
0.3517

 1.4418, 0.1247,
0.4645

253.8164, 0.2818,

 0.2472, 0.0000,

0.3503

0.8561

305.0437, 0.2836,
0.3490

0.0000, 0.0000,
0.0000

44.0072, 0.2573,
0.3676

44.0072, 0.2573,
0.3676

43.0105, 0.2515,
0.3760

45.2679, 0.2648,
0.3595

42.2517, 0.2477,
0.3846

46.8060, 0.2738,
0.3518

41.7086, 0.2458,
0.3933

48.6399, 0.2840,
0.3445

41.3517, 0.2458,
0.4019

50.7853, 0.2951,
0.3378

41.2101, 0.2462,
0.4063

53.2564, 0.3069,
0.3317

■ 56.0668, 0.3190,
0.3262

■ 59.2291, 0.3314,
0.3213

■ 62.7555, 0.3437,
0.3169

■ 64.9911, 0.3488,
0.3126

Harmonies

Analogous

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



44.0072, 0.3044, 0.4108



44.0072, 0.2573, 0.3676



44.0072, 0.2265, 0.3144

Triad

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



44.0072, 0.2573, 0.3676



44.0072, 0.2646, 0.2468



44.0072, 0.4178, 0.3734

Complementary

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



44.0072, 0.2573, 0.3676



19.7909, 0.4345, 0.2966

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.



44.0072, 0.4067, 0.3320



44.0072, 0.2573, 0.3676



44.0072, 0.3141, 0.2626

Square

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



44.0072, 0.2573, 0.3676



44.0072, 0.2307, 0.2491



44.0072, 0.3674, 0.2928



44.0072, 0.3982, 0.4084

Rectangle

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



44.0072, 0.2573, 0.3676



44.0072, 0.2180, 0.2841



44.0072, 0.3674, 0.2928



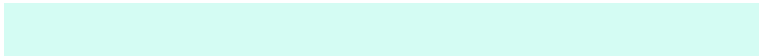
44.0072, 0.4177, 0.3598

Sweetspot

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



44.0089, 0.2573, 0.3676



90.3811, 0.2935, 0.3388



43.3658, 0.3225, 0.4938



19.6092, 0.2911, 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.



44.0089, 0.2573, 0.3676



76.7043, 0.2505, 0.3779



34.1240, 0.2352, 0.2872



11.3869, 0.3015, 0.3344



26.8002, 0.2459, 0.4051



1.1680, 0.2406, 0.3860

Inverse Universe

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



19.7909, 0.4345, 0.2966



28.8834, 0.4798, 0.2929



24.5283, 0.4514, 0.3645



10.1156, 0.3253, 0.3236



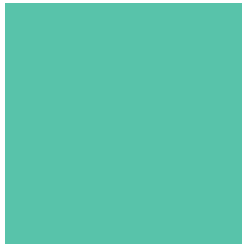
7.6778, 0.5956, 0.3054



0.3428, 0.5309, 0.2698

Previews

White Background



This preview shows how the Yxy color 44.0072, 0.2573, 0.3676 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 44.0072, 0.2573, 0.3676 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

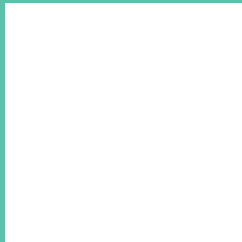
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.0072, 0.2573, 0.3676

Background



This preview shows how black text looks on a background with the Yxy color 44.0072, 0.2573, 0.3676.

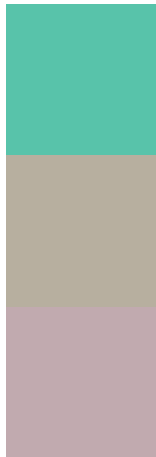


This preview shows how white text looks on a background with the Yxy color 44.0072, 0.2573, 0.3676.

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

44.0072, 0.2573, 0.3676

Protanopia

43.2304, 0.3334, 0.3505

Deuteranopia

43.1821, 0.3295, 0.3226



Tritanopia

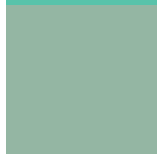
43.9440, 0.2425, 0.3072

Trichromacy



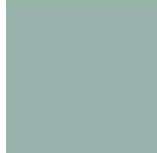
Original Color

44.0072, 0.2573, 0.3676



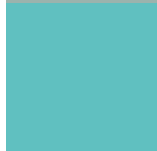
Protanomaly

42.3961, 0.2990, 0.3565



Deuteranomaly

42.2259, 0.2971, 0.3374



Tritanomaly

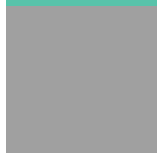
43.9918, 0.2481, 0.3288

Monochromacy



Original Color

44.0072, 0.2573, 0.3676



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

37.6358, 0.2866, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0072, 0.2573, 0.3676 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(88, 195, 170)` looks like.

```
.text, #text, p{  
    color:rgb(88, 195, 170)  
}
```

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(88, 195, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 195, 170) }
```

Border

The CSS property to change the border of an element to Yxy 44.0072, 0.2573, 0.3676 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(88, 195, 170) }
```

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

```
.border{ border-color:rgb(88, 195, 170) }
```

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

Here you see how a box with a 4 pixel rgb(88, 195, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 195, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 195, 170);  
box-shadow:4px 4px 4px 4px rgb(88, 195,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0072, 0.2573, 0.3676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 195, 170) }
```

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

```
.background{ background-color: rgb(88, 195,  
170) }
```

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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