

Converting Colors

$Y_{xy}(55.4231, 0.2502, 0.3784)$

Have a look what the booklet for
Yxy(55.4231, 0.2502, 0.3784)
contains.

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Color

Yxy(55.5435, 0.2501, 0.3779)

Conversions

Conversions Part 1

Format	Color
Hex	48DBB9
RGB	72, 219, 185
RGB Percent	28%, 86%, 73%
CMY	0.7177, 0.1412, 0.2745
CMYK	0.67, 0.00, 0.16, 0.14
HSL	166°, 67%, 57%
HSV	166°, 67%, 86%
XYZ	36.7595, 55.5435, 54.6763
YIQ	171.1710, -76.6980, -41.7380

Conversions

Conversions Part 2

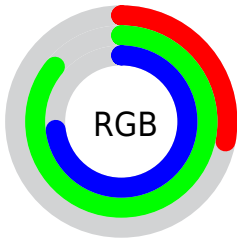
Format	Color
RYB	72, 155, 219
Decimal	4774841
CIELab	79.35, -46.72, 5.43
CIELCh	79, 47.031, 173.365
Yxy	55.5435, 0.2501, 0.3779
Android (android.graphics.Color)	4282964921 (0xFF48DBB9)
YUV	171.1710, 6.8177, -86.9730
Hunter-Lab	74.5275, -42.3808, 8.6718

Details

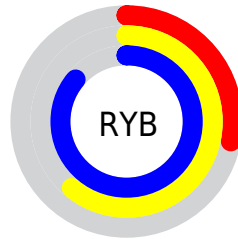
The Yxy color **55.5435, 0.2501, 0.3779** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **20.7361, 0.4827, 0.2932**, and the grayscale version is **40.8092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1892, 0.2569, 0.3450**, and **27.8603, 0.2417, 0.3901** is the 20% darker color. If you saturate the color by 10%, you get **54.6384, 0.2468, 0.3865**, and if you desaturate by 10%, it is **56.7602, 0.2554, 0.3694**.

Distribution



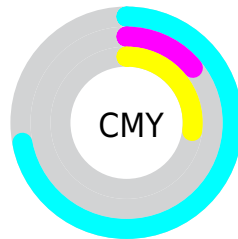
- Red (28%)
- Green (86%)
- Blue (73%)



- Red (28%)
- Yellow (61%)
- Blue (86%)



- Cyan (67%)
- Magenta (0%)
- Yellow (16%)
- Black (14%)




- Cyan (72%)
- Magenta (14%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.5435, 0.2501, 0.3779 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 55.5435, 0.2501, 0.3779 by changing the saturation by 10% instead.


 55.5435, 0.2501,
0.3779


 55.5435, 0.2501,
0.3779

407.9689, 0.2806,
0.3537


 39.8370, 0.2428,
0.3839

 98.3368, 0.2610,
0.3691

 27.4115, 0.2335,
0.3915


 126.1924, 0.2651,
0.3658

 17.8825, 0.2215,
0.4015


 158.8666, 0.2686,
0.3630

 10.8657, 0.2053,
0.4154

 196.7437, 0.2717,
0.3606

 5.9766, 0.1824,
0.4355

240.2080, 0.2743,
0.3586

 2.8308, 0.1481,
0.4673

289.6441, 0.2767,


 1.0441, 0.0000,


0.3567


0.5828

345.4362, 0.2787,
0.3551


 0.0000, 0.0000,
0.0000


 55.5435, 0.2501,
0.3779


 55.5435, 0.2501,
0.3779


 54.6384, 0.2468,
0.3865


 56.7602, 0.2554,
0.3694


 54.0048, 0.2454,
0.3951


 58.3107, 0.2625,
0.3613


 53.6006, 0.2458,
0.4036


 60.2224, 0.2712,
0.3534


 53.5052, 0.2461,
0.4061

 62.5184, 0.2812,
0.3461

 65.2194, 0.2923,
0.3393

 68.3451, 0.3040,
0.3331

 71.9135, 0.3163,
0.3274

 75.9416, 0.3287,
0.3224

 77.6724, 0.3309,
0.3175

Harmonies

Analogous

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



55.5435, 0.3052, 0.4286



55.5435, 0.2501, 0.3779



55.5435, 0.2140, 0.3140

Triad

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



55.5435, 0.2501, 0.3779



55.5435, 0.2538, 0.2338



55.5435, 0.4362, 0.3764

Complementary

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



55.5435, 0.2501, 0.3779



20.7361, 0.4827, 0.2932

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.



55.5435, 0.4217, 0.3288



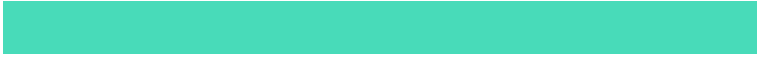
55.5435, 0.2501, 0.3779



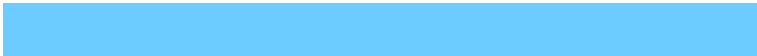
55.5435, 0.3105, 0.2510

Square

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



55.5435, 0.2501, 0.3779



55.5435, 0.2165, 0.2370



55.5435, 0.3737, 0.2846



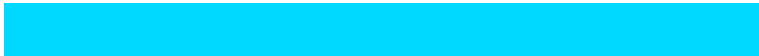
55.5435, 0.4140, 0.4187

Rectangle

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



55.5435, 0.2501, 0.3779



55.5435, 0.2036, 0.2780



55.5435, 0.3737, 0.2846



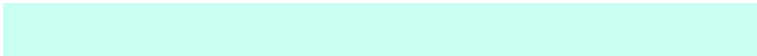
55.5435, 0.4356, 0.3606

Sweetspot

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



55.5457, 0.2501, 0.3779



90.8405, 0.2888, 0.3413



54.2160, 0.3198, 0.5337



19.2104, 0.2857, 0.3432



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.



55.5457, 0.2501, 0.3779



76.6746, 0.2459, 0.3904



39.0554, 0.2209, 0.2718



14.7753, 0.3013, 0.3345



31.7420, 0.2458, 0.4048



2.0692, 0.2419, 0.3909

Inverse Universe

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



20.7361, 0.4827, 0.2932



24.2599, 0.5409, 0.2953



26.9412, 0.4981, 0.3718



13.1006, 0.3255, 0.3236



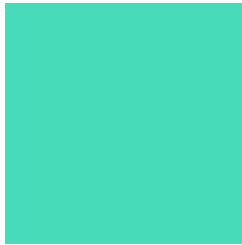
9.0839, 0.5976, 0.3066



0.6018, 0.5512, 0.2810

Previews

White Background



This preview shows how the Yxy color 55.5435, 0.2501, 0.3779 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 55.5435, 0.2501, 0.3779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

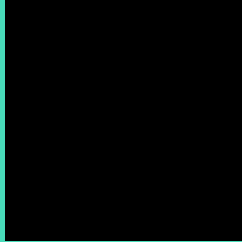
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

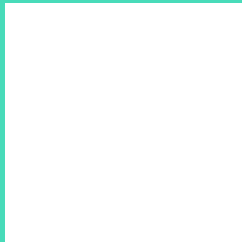
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.5435, 0.2501, 0.3779

Background



This preview shows how black text looks on a background with the Yxy color 55.5435, 0.2501, 0.3779.

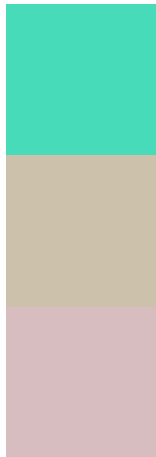


This preview shows how white text looks on a background with the Yxy color 55.5435, 0.2501, 0.3779.

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

55.5435, 0.2501, 0.3779

Protanopia

54.3995, 0.3379, 0.3559

Deuteranopia

54.6480, 0.3320, 0.3255



Tritanopia

55.5770, 0.2342, 0.3063

Trichromacy



Original Color

55.5435, 0.2501, 0.3779



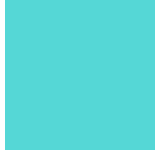
Protanomaly

52.9541, 0.2955, 0.3639



Deuteranomaly

52.7692, 0.2925, 0.3434



Tritanomaly

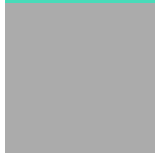
55.3872, 0.2395, 0.3302

Monochromacy



Original Color

55.5435, 0.2501, 0.3779



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

44.2519, 0.2802, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5435, 0.2501, 0.3779 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(72, 219, 185)` looks like.

```
.text, #text, p{  
    color:rgb(72, 219, 185)  
}
```

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(72, 219, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 219, 185) }
```

Border

The CSS property to change the border of an element to Yxy 55.5435, 0.2501, 0.3779 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(72, 219, 185) }
```

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

```
.border{ border-color:rgb(72, 219, 185) }
```

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

Here you see how a box with a 4 pixel rgb(72, 219, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 219, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 219, 185);  
box-shadow:4px 4px 4px 4px rgb(72, 219,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5435, 0.2501, 0.3779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 219, 185) }
```

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

```
.background{ background-color: rgb(72, 219,  
185) }
```

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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