

Converting Colors

$Yxy(54.5101, 0.2471, 0.3895)$

Have a look what the booklet for
Yxy(54.5101, 0.2471, 0.3895)
contains.

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Color

Yxy(54.5058, 0.2472, 0.3896)

Conversions

Conversions Part 1

Format	Color
Hex	30DBB2
RGB	48, 219, 178
RGB Percent	19%, 86%, 70%
CMY	0.8119, 0.1412, 0.3020
CMYK	0.78, 0.00, 0.19, 0.14
HSL	166°, 70%, 52%
HSV	166°, 78%, 86%
XYZ	34.5838, 54.5058, 50.8124
YIQ	163.1970, -88.7550, -49.0030

Conversions

Conversions Part 2

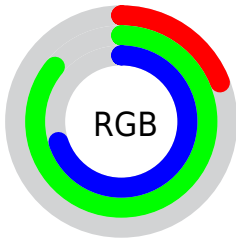
Format	Color
RYB	48, 145, 219
Decimal	3201970
CIELab	78.76, -51.47, 8.24
CIELCh	79, 52.129, 170.905
Yxy	54.5058, 0.2472, 0.3896
Android (android.graphics.Color)	4281392050 (0xFF30DBB2)
YUV	163.1970, 7.2979, -101.0278
Hunter-Lab	73.8280, -45.5831, 10.8731

Details

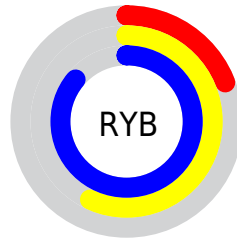
The Yxy color **54.5058, 0.2472, 0.3896** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **17.8923, 0.5243, 0.2925**, and the grayscale version is **36.7148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5981, 0.2541, 0.3536**, and **27.6751, 0.2458, 0.4050** is the 20% darker color. If you saturate the color by 10%, you get **53.8940, 0.2461, 0.3986**, and if you desaturate by 10%, it is **55.3924, 0.2503, 0.3807**.

Distribution



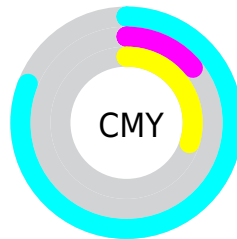
- Red (19%)
- Green (86%)
- Blue (70%)



- Red (19%)
- Yellow (57%)
- Blue (86%)



- Cyan (78%)
- Magenta (0%)
- Yellow (19%)
- Black (14%)





- Cyan (81%)
- Magenta (14%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.5058, 0.2472, 0.3896 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 54.5058, 0.2472, 0.3896 by changing the saturation by 10% instead.

 54.5058, 0.2472,
0.3896


 54.5058, 0.2472,
0.3896

404.0359, 0.2794,
0.3592

 39.0062, 0.2394,
0.3972


 96.8165, 0.2587,
0.3785


 26.7645, 0.2295,
0.4070


 124.3964, 0.2631,
0.3744


 17.3965, 0.2166,
0.4200


 156.7718, 0.2668,
0.3708

 10.5176, 0.1991,
0.4382

 194.3271, 0.2700,
0.3678

 5.7434, 0.1742,
0.4650

 237.4468, 0.2728,
0.3652

 2.6897, 0.1356,
0.5089

286.5153, 0.2753,

 0.9720, 0.0000,

0.3629

0.6697

341.9168, 0.2774,
0.3609

■ 0.0000, 0.0000,
0.0000

■ 54.5058, 0.2472,
0.3896

■ 54.5058, 0.2472,
0.3896

■ 53.8940, 0.2461,
0.3986

■ 55.3924, 0.2503,
0.3807

■ 53.5015, 0.2468,
0.4074


■ 56.5817, 0.2553,
0.3718


■ 53.4379, 0.2470,
0.4091

■ 58.1048, 0.2622,
0.3633


■ 59.9874, 0.2707,
0.3551

■ 62.2526, 0.2805,
0.3475

 64.9216, 0.2914,
0.3404

 68.0139, 0.3030,
0.3338

 71.5478, 0.3150,
0.3279

 75.5405, 0.3273,
0.3226

Harmonies

Analogous

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



54.5058, 0.3089, 0.4444



54.5058, 0.2472, 0.3896



54.5058, 0.2059, 0.3170

Triad

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



54.5058, 0.2472, 0.3896



54.5058, 0.2431, 0.2238



54.5058, 0.4503, 0.3756

Complementary

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



54.5058, 0.2472, 0.3896



17.8923, 0.5243, 0.2925

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.



54.5058, 0.4312, 0.3236



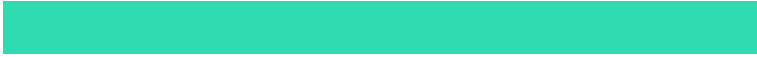
54.5058, 0.2472, 0.3896



54.5058, 0.3041, 0.2410

Square

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



54.5058, 0.2472, 0.3896



54.5058, 0.2046, 0.2288



54.5058, 0.3750, 0.2763



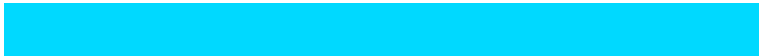
54.5058, 0.4278, 0.4239

Rectangle

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



54.5058, 0.2472, 0.3896



54.5058, 0.1934, 0.2759



54.5058, 0.3750, 0.2763



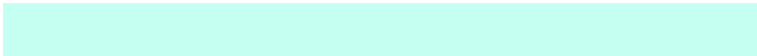
54.5058, 0.4488, 0.3582

Sweetspot

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



54.5079, 0.2472, 0.3896



89.6499, 0.2857, 0.3439



53.0895, 0.3184, 0.5607



18.9037, 0.2818, 0.3465



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.



54.5079, 0.2472, 0.3896



75.6794, 0.2464, 0.4045



36.8887, 0.2127, 0.2653



14.7734, 0.3014, 0.3347



31.7019, 0.2466, 0.4077



2.0669, 0.2426, 0.3933

Inverse Universe

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



17.8923, 0.5243, 0.2925



22.0882, 0.5839, 0.3027



22.7084, 0.5434, 0.3687



13.1025, 0.3254, 0.3234



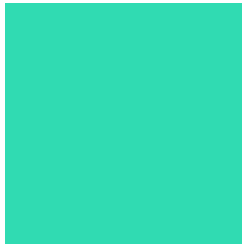
9.0941, 0.5951, 0.3052



0.6027, 0.5485, 0.2795

Previews

White Background



This preview shows how the Yxy color 54.5058, 0.2472, 0.3896 looks on a white background.

Color Contrast Check

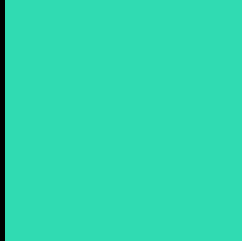
Large Text (above 18pt) WCAG AA × Fail

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 54.5058, 0.2472, 0.3896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

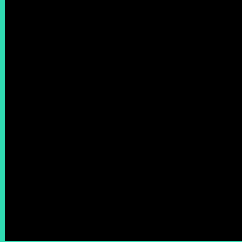
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

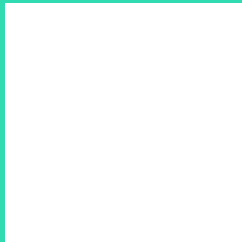
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.5058, 0.2472, 0.3896

Background



This preview shows how black text looks on a background with the Yxy color 54.5058, 0.2472, 0.3896.

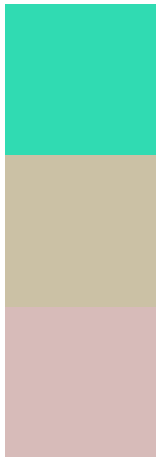


This preview shows how white text looks on a background with the Yxy color 54.5058, 0.2472, 0.3896.

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

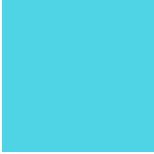
54.5058, 0.2472, 0.3896

Protanopia

53.5531, 0.3427, 0.3635

Deuteranopia

53.4905, 0.3380, 0.3314



Tritanopia

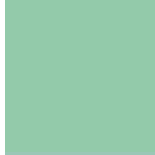
54.3638, 0.2298, 0.3060

Trichromacy



Original Color

54.5058, 0.2472, 0.3896



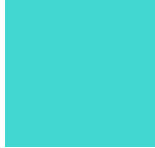
Protanomaly

51.3464, 0.2937, 0.3732



Deuteranomaly

51.0943, 0.2906, 0.3519



Tritanomaly

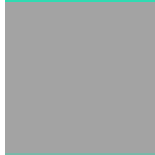
54.4473, 0.2359, 0.3358

Monochromacy



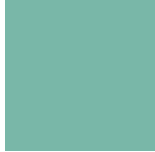
Original Color

54.5058, 0.2472, 0.3896



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

40.7591, 0.2752, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.5058, 0.2472, 0.3896 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(48, 219, 178)` looks like.

```
.text, #text, p{  
    color:rgb(48, 219, 178)  
}
```

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(48, 219, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 219, 178) }
```

Border

The CSS property to change the border of an element to Yxy 54.5058, 0.2472, 0.3896 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(48, 219, 178) }
```

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

```
.border{ border-color:rgb(48, 219, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 219, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 219, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 219, 178);  
box-shadow:4px 4px 4px 4px rgb(48, 219,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 54.5058, 0.2472, 0.3896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 219, 178) }
```

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

```
.background{ background-color: rgb(48, 219,  
178) }
```

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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