

Converting Colors

$Yxy(53.8928, 0.2532, 0.3896)$

Have a look what the booklet for
Yxy(53.8928, 0.2532, 0.3896)
contains.

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Color

Yxy(54.0255, 0.2529, 0.3893)

Conversions

Conversions Part 1

Format	Color
Hex	45D9B0
RGB	69, 217, 176
RGB Percent	27%, 85%, 69%
CMY	0.7299, 0.1490, 0.3098
CMYK	0.68, 0.00, 0.19, 0.15
HSL	163°, 66%, 56%
HSV	163°, 68%, 85%
XYZ	35.0965, 54.0255, 49.6541
YIQ	168.0740, -75.0470, -44.1270

Conversions

Conversions Part 2

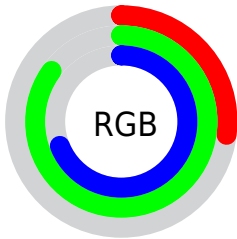
Format	Color
RYB	69, 155, 217
Decimal	4577712
CIELab	78.48, -48.52, 8.95
CIELCh	78, 49.334, 169.551
Yxy	54.0255, 0.2529, 0.3893
Android (android.graphics.Color)	4282767792 (0xFF45D9B0)
YUV	168.0740, 3.9075, -86.8879
Hunter-Lab	73.5020, -43.3967, 11.3983

Details

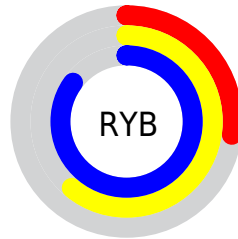
The Yxy color **54.0255, 0.2529, 0.3893** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **20.1165, 0.4759, 0.2854**, and the grayscale version is **39.1872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4145, 0.2597, 0.3558**, and **26.9450, 0.2455, 0.4038** is the 20% darker color. If you saturate the color by 10%, you get **53.1430, 0.2501, 0.3998**, and if you desaturate by 10%, it is **55.2126, 0.2576, 0.3790**.

Distribution



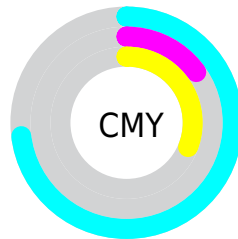
- Red (27%)
- Green (85%)
- Blue (69%)



- Red (27%)
- Yellow (61%)
- Blue (85%)



- Cyan (68%)
- Magenta (0%)
- Yellow (19%)
- Black (15%)





- Cyan (73%)
- Magenta (15%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.0255, 0.2529, 0.3893 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 54.0255, 0.2529, 0.3893 by changing the saturation by 10% instead.


 54.0255, 0.2529,
0.3893

 54.0255, 0.2529,
0.3893


402.2072, 0.2824,
0.3589

 38.6220, 0.2457,
0.3970


 96.1117, 0.2635,
0.3782


 26.4658, 0.2365,
0.4068


 123.5632, 0.2675,
0.3740

 17.1725, 0.2245,
0.4200


 155.7995, 0.2709,
0.3705

 10.3575, 0.2081,
0.4384

 193.2051, 0.2739,
0.3675

 5.6366, 0.1845,
0.4659

236.1642, 0.2764,
0.3649

 2.6254, 0.1479,
0.5110

285.0614, 0.2787,

 0.9395, 0.0000,

0.3627

0.7033

340.2809, 0.2806,
0.3607

0.0000, 0.0000,
0.0000

54.0255, 0.2529,
0.3893

54.0255, 0.2529,
0.3893

53.1430, 0.2501,
0.3998

55.2126, 0.2576,
0.3790

52.5251, 0.2494,
0.4103

56.7266, 0.2642,
0.3690

52.1249, 0.2504,
0.4206

58.5946, 0.2723,
0.3595

52.0649, 0.2507,
0.4224

60.8394, 0.2817,
0.3505

63.4816, 0.2921,
0.3423

■ 66.5406, 0.3032,
0.3347

■ 70.0342, 0.3147,
0.3279

■ 73.9793, 0.3265,
0.3217

■ 76.6096, 0.3314,
0.3160

Harmonies

Analogous

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



54.0255, 0.3124, 0.4394



54.0255, 0.2529, 0.3893



54.0255, 0.2121, 0.3210

Triad

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



54.0255, 0.2529, 0.3893



54.0255, 0.2443, 0.2281



54.0255, 0.4436, 0.3719

Complementary

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



54.0255, 0.2529, 0.3893



20.1165, 0.4759, 0.2854

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.



54.0255, 0.4234, 0.3221



54.0255, 0.2529, 0.3893



54.0255, 0.3018, 0.2437

Square

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



54.0255, 0.2529, 0.3893



54.0255, 0.2083, 0.2342



54.0255, 0.3690, 0.2770



54.0255, 0.4242, 0.4182

Rectangle

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



54.0255, 0.2529, 0.3893



54.0255, 0.1991, 0.2812



54.0255, 0.3690, 0.2770



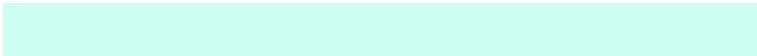
54.0255, 0.4414, 0.3552

Sweetspot

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



54.0276, 0.2529, 0.3893



90.7012, 0.2900, 0.3438



53.4297, 0.3240, 0.5340



19.1767, 0.2871, 0.3461



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.



54.0276, 0.2529, 0.3893



76.1352, 0.2496, 0.4045



40.9330, 0.2226, 0.2821



14.7649, 0.3019, 0.3356



31.5317, 0.2503, 0.4209



2.0571, 0.2456, 0.4040

Inverse Universe

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



20.1165, 0.4759, 0.2854



24.2012, 0.5305, 0.2872



24.4822, 0.5099, 0.3635



13.1105, 0.3248, 0.3226



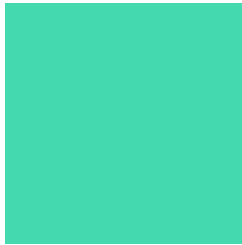
9.1433, 0.5832, 0.2986



0.6068, 0.5362, 0.2727

Previews

White Background



This preview shows how the Yxy color 54.0255, 0.2529, 0.3893 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 54.0255, 0.2529, 0.3893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

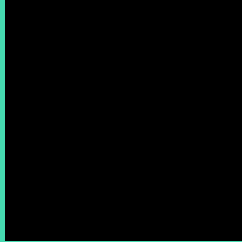
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

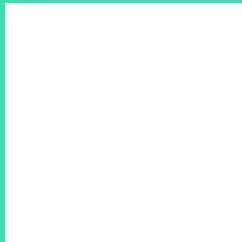
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.0255, 0.2529, 0.3893

Background



This preview shows how black text looks on a background with the Yxy color 54.0255, 0.2529, 0.3893.

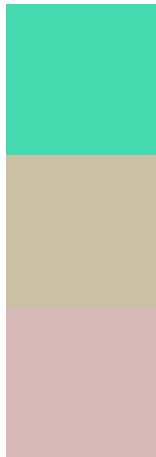


This preview shows how white text looks on a background with the Yxy color 54.0255, 0.2529, 0.3893.

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

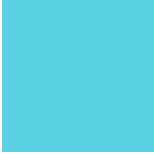
54.0255, 0.2529, 0.3893

Protanopia

53.0401, 0.3445, 0.3648

Deuteranopia

52.9838, 0.3398, 0.3326



Tritanopia

53.8634, 0.2343, 0.3061

Trichromacy



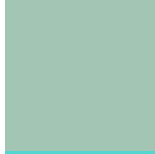
Original Color

54.0255, 0.2529, 0.3893



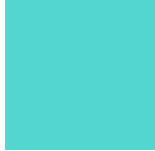
Protanomaly

51.4705, 0.3001, 0.3742



Deuteranomaly

50.9092, 0.2978, 0.3517



Tritanomaly

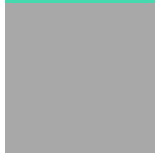
53.9816, 0.2410, 0.3357

Monochromacy



Original Color

54.0255, 0.2529, 0.3893



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

42.9636, 0.2813, 0.3510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.0255, 0.2529, 0.3893 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(69, 217, 176)` looks like.

```
.text, #text, p{  
    color:rgb(69, 217, 176)  
}
```

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(69, 217, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 217, 176) }
```

Border

The CSS property to change the border of an element to Yxy 54.0255, 0.2529, 0.3893 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(69, 217, 176) }
```

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

```
.border{ border-color:rgb(69, 217, 176) }
```

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

Here you see how a box with a 4 pixel rgb(69, 217, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 217, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 217, 176);  
box-shadow:4px 4px 4px 4px rgb(69, 217,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 54.0255, 0.2529, 0.3893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 217, 176) }
```

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

```
.background{ background-color: rgb(69, 217,  
176) }
```

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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