

Converting Colors

$Yxy(53.0745, 0.2654, 0.4309)$

Have a look what the booklet for
Yxy(53.0745, 0.2654, 0.4309)
contains.

Yxy(53.0567, 0.2656, 0.4309)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(53.0567, 0.2656, 0.4309)

Conversions

Conversions Part 1

Format	Color
Hex	44D996
RGB	68, 217, 150
RGB Percent	27%, 85%, 59%
CMY	0.7332, 0.1490, 0.4118
CMYK	0.69, 0.00, 0.31, 0.15
HSL	153°, 66%, 56%
HSV	153°, 69%, 85%
XYZ	32.7033, 53.0567, 37.3699
YIQ	164.8110, -67.2970, -52.4250

Conversions

Conversions Part 2

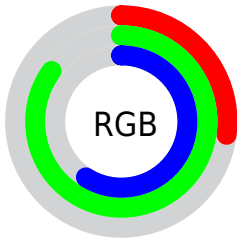
Format	Color
RYB	68, 164, 217
Decimal	4512150
CIELab	77.91, -54.41, 21.88
CIELCh	78, 58.648, 158.092
Yxy	53.0567, 0.2656, 0.4309
Android (android.graphics.Color)	4282702230 (0xFF44D996)
YUV	164.8110, -7.3018, -84.9032
Hunter-Lab	72.8400, -47.3281, 20.5698

Details

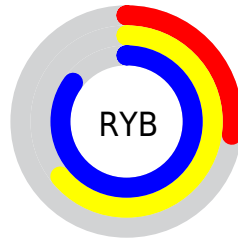
The Yxy color **53.0567, 0.2656, 0.4309** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **20.6412, 0.4341, 0.2555**, and the grayscale version is **37.5971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8662, 0.2722, 0.3907**, and **26.3906, 0.2608, 0.4590** is the 20% darker color. If you saturate the color by 10%, you get **52.1158, 0.2643, 0.4486**, and if you desaturate by 10%, it is **54.3167, 0.2688, 0.4133**.

Distribution



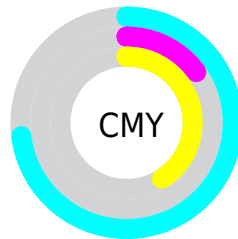
- Red (27%)
- Green (85%)
- Blue (59%)



- Red (27%)
- Yellow (64%)
- Blue (85%)



- Cyan (69%)
- Magenta (0%)
- Yellow (31%)
- Black (15%)




- Cyan (73%)
- Magenta (15%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.0567, 0.2656, 0.4309 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 53.0567, 0.2656, 0.4309 by changing the saturation by 10% instead.


 53.0567, 0.2656,
0.4309


 53.0567, 0.2656,
0.4309


398.5026, 0.2901,
0.3779

 37.8480, 0.2592,
0.4447

 94.6878, 0.2747,
0.4112

 25.8648, 0.2508,
0.4628


 121.8790, 0.2781,
0.4039

 16.7225, 0.2394,
0.4874


 153.8332, 0.2809,
0.3978

 10.0368, 0.2231,
0.5226

 190.9348, 0.2833,
0.3926

 5.4234, 0.1981,
0.5763

233.5681, 0.2854,
0.3882

 2.4978, 0.1510,
0.6782

282.1176, 0.2872,

 0.8755, 0.0000,

0.3843

1.0000

336.9676, 0.2888,
0.3809

■ 0.0000, 0.0000,
0.0000

■ 53.0567, 0.2656,
0.4309

■ 53.0567, 0.2656,
0.4309

■ 52.1158, 0.2643,
0.4486

■ 54.3167, 0.2688,
0.4133

■ 51.4532, 0.2651,
0.4661

■ 55.9187, 0.2738,
0.3963

■ 51.0190, 0.2677,
0.4829

■ 57.8904, 0.2802,
0.3801

■ 50.9680, 0.2681,
0.4851

■ 60.2551, 0.2877,
0.3651

■ 63.0339, 0.2961,
0.3513

66.2466, 0.3049,
0.3388

69.9116, 0.3139,
0.3276

74.0461, 0.3231,
0.3176

77.0504, 0.3260,
0.3084

Harmonies

Analogous

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



53.0567, 0.3392, 0.4727



53.0567, 0.2656, 0.4309



53.0567, 0.2088, 0.3495

Triad

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



53.0567, 0.2656, 0.4309



53.0567, 0.2130, 0.2110



53.0567, 0.4653, 0.3541

Complementary

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



53.0567, 0.2656, 0.4309



20.6412, 0.4341, 0.2555

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.



53.0567, 0.4240, 0.2984



53.0567, 0.2656, 0.4309



53.0567, 0.2707, 0.2203

Square

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



53.0567, 0.2656, 0.4309



53.0567, 0.1828, 0.2272



53.0567, 0.3486, 0.2512



53.0567, 0.4577, 0.4112

Rectangle

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



53.0567, 0.2656, 0.4309



53.0567, 0.1867, 0.2961



53.0567, 0.3486, 0.2512



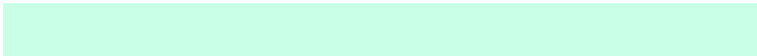
53.0567, 0.4568, 0.3350

Sweetspot

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



53.0588, 0.2656, 0.4309



89.7646, 0.2939, 0.3547



55.2012, 0.3406, 0.5242



18.9706, 0.2916, 0.3585



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.



53.0588, 0.2656, 0.4309



74.6699, 0.2644, 0.4558



52.1131, 0.2312, 0.3184



14.7256, 0.3042, 0.3397



30.8744, 0.2674, 0.4827



2.0175, 0.2598, 0.4552

Inverse Universe

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



20.6412, 0.4341, 0.2555



25.0982, 0.4732, 0.2530



20.2681, 0.5353, 0.3369



13.1484, 0.3222, 0.3185



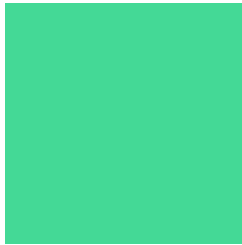
9.4799, 0.5161, 0.2617



0.6314, 0.4762, 0.2397

Previews

White Background



This preview shows how the Yxy color 53.0567, 0.2656, 0.4309 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 53.0567, 0.2656, 0.4309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

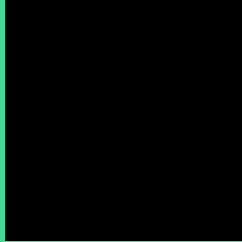
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

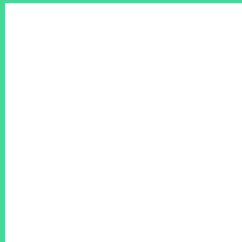
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.0567, 0.2656, 0.4309

Background



This preview shows how black text looks on a background with the Yxy color 53.0567, 0.2656, 0.4309.

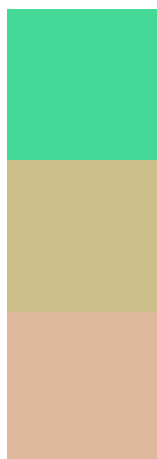


This preview shows how white text looks on a background with the Yxy color 53.0567, 0.2656, 0.4309.

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

53.0567, 0.2656, 0.4309

Protanopia

52.0757, 0.3666, 0.3945

Deuteranopia

52.0875, 0.3676, 0.3610



Tritanopia

53.0350, 0.2372, 0.3073

Trichromacy



Original Color

53.0567, 0.2656, 0.4309



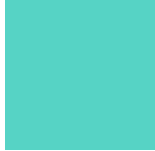
Protanomaly

50.2301, 0.3188, 0.4100



Deuteranomaly

49.8123, 0.3187, 0.3864



Tritanomaly

52.5982, 0.2467, 0.3487

Monochromacy



Original Color

53.0567, 0.2656, 0.4309



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

41.5649, 0.2872, 0.3652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.0567, 0.2656, 0.4309 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(68, 217, 150)` looks like.

```
.text, #text, p{  
    color:rgb(68, 217, 150)  
}
```

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(68, 217, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 217, 150) }
```

Border

The CSS property to change the border of an element to Yxy 53.0567, 0.2656, 0.4309 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(68, 217, 150) }
```

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

```
.border{ border-color:rgb(68, 217, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 217, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 217, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 217, 150);  
box-shadow:4px 4px 4px 4px rgb(68, 217,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 53.0567, 0.2656, 0.4309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 217, 150) }
```

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

```
.background{ background-color: rgb(68, 217,  
150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor