

Converting Colors

$Yxy(54.5557, 0.2562, 0.4188)$

Have a look what the booklet for
Yxy(54.5557, 0.2562, 0.4188)
contains.

Yxy(54.4377, 0.2560, 0.4180)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(54.4377, 0.2560, 0.4180)

Conversions

Conversions Part 1

Format	Color
Hex	32DCA1
RGB	50, 220, 161
RGB Percent	20%, 86%, 63%
CMY	0.8039, 0.1372, 0.3687
CMYK	0.77, 0.00, 0.27, 0.14
HSL	159°, 71%, 53%
HSV	159°, 77%, 86%
XYZ	33.3398, 54.4377, 42.4562
YIQ	162.4440, -82.3810, -54.3890

Conversions

Conversions Part 2

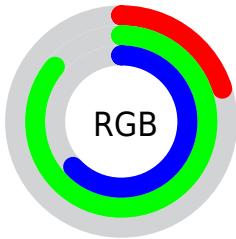
Format	Color
RYB	50, 153, 220
Decimal	3333281
CIELab	78.72, -55.64, 17.19
CIELCh	79, 58.231, 162.830
Yxy	54.4377, 0.2560, 0.4180
Android (android.graphics.Color)	4281523361 (0xFF32DCA1)
YUV	162.4440, -0.7119, -98.6134
Hunter-Lab	73.7819, -48.4595, 17.5302

Details

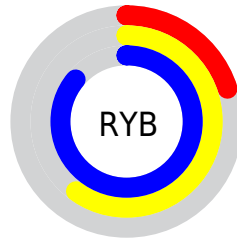
The Yxy color **54.4377, 0.2560, 0.4180** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle muted spring green. A complement of this color would be **18.6035, 0.4891, 0.2723**, and the grayscale version is **36.3841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6154, 0.2621, 0.3761**, and **27.6550, 0.2560, 0.4414** is the 20% darker color. If you saturate the color by 10%, you get **53.7472, 0.2557, 0.4314**, and if you desaturate by 10%, it is **55.4174, 0.2584, 0.4045**.

Distribution



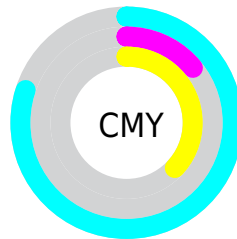
- Red (20%)
- Green (86%)
- Blue (63%)



- Red (20%)
- Yellow (60%)
- Blue (86%)



- Cyan (77%)
- Magenta (0%)
- Yellow (27%)
- Black (14%)



- Cyan (80%)
- Magenta (14%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.4377, 0.2560, 0.4180 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 54.4377, 0.2560, 0.4180 by changing the saturation by 10% instead.

 54.4377, 0.2560,
0.4180


 54.4377, 0.2560,
0.4180

403.7769, 0.2847,
0.3722

 38.9517, 0.2488,
0.4298


 96.7166, 0.2665,
0.4011


 26.7222, 0.2395,
0.4451


 124.2783, 0.2704,
0.3948


 17.3647, 0.2272,
0.4658


 156.6340, 0.2737,
0.3895

 10.4948, 0.2100,
0.4952

 194.1682, 0.2765,
0.3850

 5.7283, 0.1846,
0.5397

 237.2652, 0.2790,
0.3812

 2.6806, 0.1405,
0.6164

286.3093, 0.2811,

 0.9673, 0.0000,

0.3778

1.0000

341.6851, 0.2830,
0.3748

■ 0.0000, 0.0000,
0.0000

■ 54.4377, 0.2560,
0.4180

■ 54.4377, 0.2560,
0.4180

■ 53.7472, 0.2557,
0.4314

■ 55.4174, 0.2584,
0.4045

■ 53.2938, 0.2573,
0.4446


■ 56.7141, 0.2627,
0.3913


■ 53.1909, 0.2578,
0.4482


■ 58.3592, 0.2688,
0.3785

■ 60.3786, 0.2764,
0.3664

■ 62.7956, 0.2852,
0.3551

 65.6317, 0.2948,
0.3447

 68.9066, 0.3051,
0.3353

 72.6390, 0.3156,
0.3268

 76.8464, 0.3263,
0.3192

Harmonies

Analogous

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



54.4377, 0.3273, 0.4676



54.4377, 0.2560, 0.4180



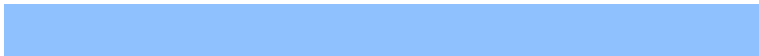
54.4377, 0.2039, 0.3361

Triad

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



54.4377, 0.2560, 0.4180



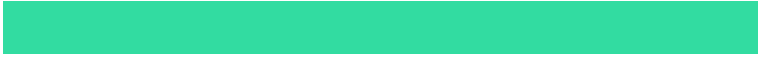
54.4377, 0.2216, 0.2124



54.4377, 0.4651, 0.3630

Complementary

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



54.4377, 0.2560, 0.4180



18.6035, 0.4891, 0.2723

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.



54.4377, 0.4316, 0.3072



54.4377, 0.2560, 0.4180



54.4377, 0.2825, 0.2252

Square

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



54.4377, 0.2560, 0.4180



54.4377, 0.1873, 0.2243



54.4377, 0.3608, 0.2588



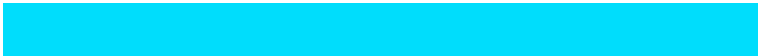
54.4377, 0.4505, 0.4188

Rectangle

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



54.4377, 0.2560, 0.4180



54.4377, 0.1852, 0.2859



54.4377, 0.3608, 0.2588



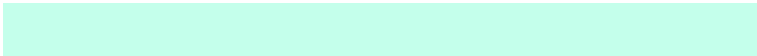
54.4377, 0.4593, 0.3441

Sweetspot

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



54.4399, 0.2560, 0.4180



89.2798, 0.2890, 0.3508



54.7031, 0.3283, 0.5520



18.8134, 0.2856, 0.3547



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.



54.4399, 0.2560, 0.4180



74.6508, 0.2565, 0.4401



44.6551, 0.2201, 0.2921



14.7488, 0.3028, 0.3372



31.2373, 0.2573, 0.4462



2.0397, 0.2513, 0.4247

Inverse Universe

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



18.6035, 0.4891, 0.2723



22.6117, 0.5434, 0.2807



20.5483, 0.5584, 0.3515



13.1258, 0.3237, 0.3209



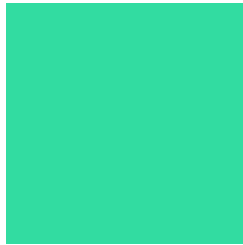
9.2584, 0.5576, 0.2845



0.6157, 0.5120, 0.2594

Previews

White Background



This preview shows how the Yxy color 54.4377, 0.2560, 0.4180 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 54.4377, 0.2560, 0.4180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

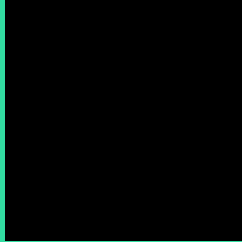
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.4377, 0.2560, 0.4180

Background



This preview shows how black text looks on a background with the Yxy color 54.4377, 0.2560, 0.4180.

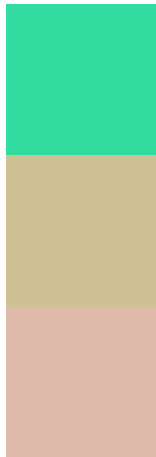


This preview shows how white text looks on a background with the Yxy color 54.4377, 0.2560, 0.4180.

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

54.4377, 0.2560, 0.4180

Protanopia

53.3999, 0.3589, 0.3843

Deuteranopia

53.3545, 0.3568, 0.3491



Tritanopia

54.1213, 0.2321, 0.3060

Trichromacy



Original Color

54.4377, 0.2560, 0.4180



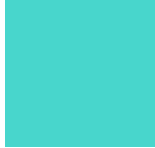
Protanomaly

51.4013, 0.3065, 0.3988



Deuteranomaly

50.5123, 0.3053, 0.3727



Tritanomaly

53.8305, 0.2396, 0.3429

Monochromacy



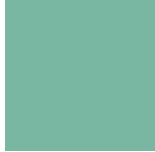
Original Color

54.4377, 0.2560, 0.4180



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

40.5406, 0.2792, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.4377, 0.2560, 0.4180 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(50, 220, 161)` looks like.

```
.text, #text, p{  
    color:rgb(50, 220, 161)  
}
```

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(50, 220, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 220, 161) }
```

Border

The CSS property to change the border of an element to Yxy 54.4377, 0.2560, 0.4180 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(50, 220, 161) }
```

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

```
.border{ border-color:rgb(50, 220, 161) }
```

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

Here you see how a box with a 4 pixel rgb(50, 220, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 220, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 220, 161);  
box-shadow:4px 4px 4px 4px rgb(50, 220,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 54.4377, 0.2560, 0.4180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 220, 161) }
```

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

```
.background{ background-color: rgb(50, 220,  
161) }
```

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