

Converting Colors

$Y_{xy}(52.2232, 0.2532, 0.4125)$

Have a look what the booklet for
Yxy(52.2232, 0.2532, 0.4125)
contains.

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Color

$\text{Yxy}(52.2204, 0.2535, 0.4133)$

Conversions

Conversions Part 1

Format	Color
Hex	2CD8A1
RGB	44, 216, 161
RGB Percent	17%, 85%, 63%
CMY	0.8270, 0.1529, 0.3687
CMYK	0.80, 0.00, 0.25, 0.15
HSL	161°, 69%, 51%
HSV	161°, 80%, 85%
XYZ	32.0297, 52.2204, 42.0998
YIQ	158.3020, -84.8570, -53.5690

Conversions

Conversions Part 2

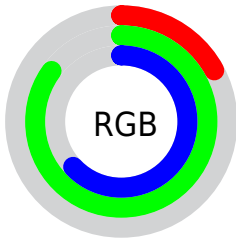
Format	Color
RYB	44, 146, 216
Decimal	2939041
CIELab	77.41, -54.70, 15.35
CIELCh	77, 56.811, 164.321
Yxy	52.2204, 0.2535, 0.4133
Android (android.graphics.Color)	4281129121 (0xFF2CD8A1)
YUV	158.3020, 1.3301, -100.2429
Hunter-Lab	72.2637, -47.3443, 16.0431

Details

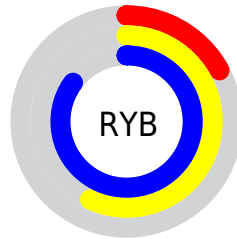
The Yxy color **52.2204, 0.2535, 0.4133** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **17.3128, 0.5052, 0.2778**, and the grayscale version is **34.3750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3294, 0.2605, 0.3763**, and **26.2457, 0.2542, 0.4352** is the 20% darker color. If you saturate the color by 10%, you get **51.6236, 0.2534, 0.4256**, and if you desaturate by 10%, it is **53.0836, 0.2556, 0.4010**.

Distribution



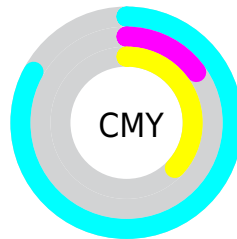
- Red (17%)
- Green (85%)
- Blue (63%)



- Red (17%)
- Yellow (57%)
- Blue (85%)



- Cyan (80%)
- Magenta (0%)
- Yellow (25%)
- Black (15%)




- Cyan (83%)
- Magenta (15%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2204, 0.2535, 0.4133 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 52.2204, 0.2535, 0.4133 by changing the saturation by 10% instead.

 52.2204, 0.2535,
0.4133


 52.2204, 0.2535,
0.4133


395.2869, 0.2834,
0.3698


 37.1808, 0.2460,
0.4246


 93.4562, 0.2644,
0.3972


 25.3475, 0.2363,
0.4392


 120.4212, 0.2685,
0.3912


 16.3361, 0.2233,
0.4591


 152.1301, 0.2720,
0.3862

 9.7623, 0.2054,
0.4875

 188.9672, 0.2749,
0.3819

 5.2417, 0.1788,
0.5309

 231.3171, 0.2775,
0.3783

 2.3897, 0.1270,
0.6106

279.5641, 0.2797,

 0.8206, 0.0000,

0.3751

1.0000

334.0925, 0.2817,
0.3723

■ 0.0000, 0.0000,
0.0000

■ 52.2204, 0.2535,
0.4133

■ 52.2204, 0.2535,
0.4133

■ 51.6236, 0.2534,
0.4256

■ 53.0836, 0.2556,
0.4010

■ 51.2291, 0.2550,
0.4376

■ 54.2411, 0.2598,
0.3888


■ 51.2139, 0.2550,
0.4382


■ 55.7239, 0.2657,
0.3771


■ 57.5573, 0.2732,
0.3658

■ 59.7640, 0.2821,
0.3553

 62.3648, 0.2918,
0.3456

 65.3790, 0.3023,
0.3367

 68.8245, 0.3132,
0.3287

 72.7182, 0.3242,
0.3215

Harmonies

Analogous

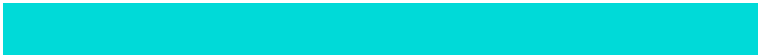
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.2204, 0.3236, 0.4649



52.2204, 0.2535, 0.4133



52.2204, 0.2031, 0.3321

Triad

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



52.2204, 0.2535, 0.4133



52.2204, 0.2249, 0.2135



52.2204, 0.4639, 0.3657

Complementary

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



52.2204, 0.2535, 0.4133



17.3128, 0.5052, 0.2778

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.



52.2204, 0.4330, 0.3102



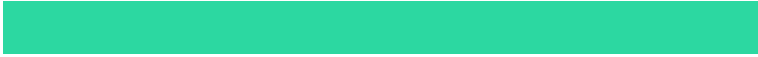
52.2204, 0.2535, 0.4133



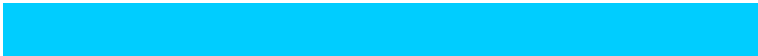
52.2204, 0.2865, 0.2273

Square

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



52.2204, 0.2535, 0.4133



52.2204, 0.1895, 0.2240



52.2204, 0.3643, 0.2615



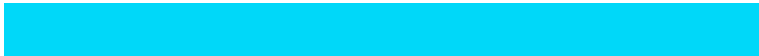
52.2204, 0.4474, 0.4207

Rectangle

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



52.2204, 0.2535, 0.4133



52.2204, 0.1856, 0.2832



52.2204, 0.3643, 0.2615



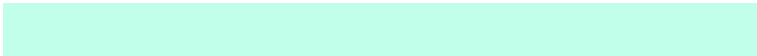
52.2204, 0.4589, 0.3469

Sweetspot

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



52.2225, 0.2535, 0.4133



88.9848, 0.2872, 0.3500



52.0852, 0.3259, 0.5579



18.7615, 0.2837, 0.3536



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.



52.2225, 0.2535, 0.4133



74.7962, 0.2543, 0.4332



41.1869, 0.2176, 0.2865



14.0371, 0.3025, 0.3366



30.3339, 0.2545, 0.4363



1.8444, 0.2487, 0.4154

Inverse Universe

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



17.3128, 0.5052, 0.2778



22.2847, 0.5595, 0.2883



19.5163, 0.5644, 0.3537



12.4857, 0.3241, 0.3216



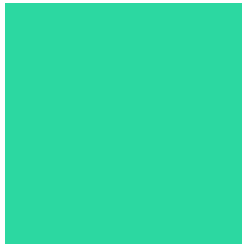
8.9140, 0.5676, 0.2900



0.5526, 0.5182, 0.2628

Previews

White Background



This preview shows how the Yxy color 52.2204, 0.2535, 0.4133 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 52.2204, 0.2535, 0.4133 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

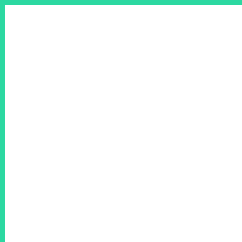
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.2204, 0.2535, 0.4133

Background



This preview shows how black text looks on a background with the Yxy color 52.2204, 0.2535, 0.4133.

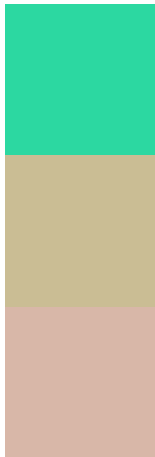


This preview shows how white text looks on a background with the Yxy color 52.2204, 0.2535, 0.4133.

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

52.2204, 0.2535, 0.4133

Protanopia

51.0899, 0.3565, 0.3803

Deuteranopia

51.2931, 0.3540, 0.3470



Tritanopia

52.2535, 0.2308, 0.3057

Trichromacy



Original Color

52.2204, 0.2535, 0.4133



Protanomaly

49.1665, 0.3037, 0.3944



Deuteranomaly

48.5191, 0.3014, 0.3708



Tritanomaly

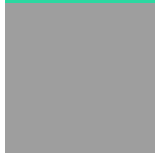
52.0461, 0.2381, 0.3417

Monochromacy



Original Color

52.2204, 0.2535, 0.4133



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

38.5253, 0.2779, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2204, 0.2535, 0.4133 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(44, 216, 161)` looks like.

```
.text, #text, p{  
    color:rgb(44, 216, 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(44, 216, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 216, 161) }
```

Border

The CSS property to change the border of an element to Yxy 52.2204, 0.2535, 0.4133 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(44, 216, 161) }
```

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

```
.border{ border-color:rgb(44, 216, 161) }
```

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

Here you see how a box with a 4 pixel rgb(44, 216, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 216, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 216, 161);  
box-shadow:4px 4px 4px 4px rgb(44, 216,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2204, 0.2535, 0.4133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 216, 161) }
```

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

```
.background{ background-color: rgb(44, 216,  
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](#).

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