

Converting Colors

$Y_{xy}(52.9220, 0.2544, 0.4259)$

Have a look what the booklet for
Yxy(52.9220, 0.2544, 0.4259)
contains.

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Color

Yxy(52.7854, 0.2545, 0.4262)

Conversions

Conversions Part 1

Format	Color
Hex	1EDA9B
RGB	30, 218, 155
RGB Percent	12%, 85%, 61%
CMY	0.8831, 0.1451, 0.3921
CMYK	0.86, 0.00, 0.29, 0.15
HSL	160°, 76%, 49%
HSV	160°, 86%, 85%
XYZ	31.5201, 52.7854, 39.5457
YIQ	154.6060, -91.8250, -59.4490

Conversions

Conversions Part 2

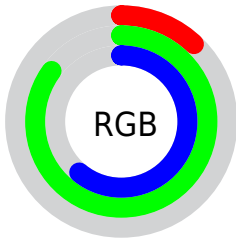
Format	Color
RYB	30, 143, 218
Decimal	2022043
CIELab	77.75, -58.00, 18.94
CIELCh	78, 61.013, 161.916
Yxy	52.7854, 0.2545, 0.4262
Android (android.graphics.Color)	4280212123 (0xFF1EDA9B)
YUV	154.6060, 0.1942, -109.2795
Hunter-Lab	72.6536, -49.7030, 18.5856

Details

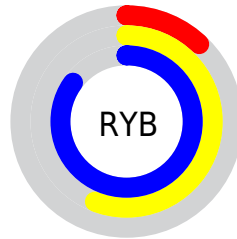
The Yxy color **52.7854, 0.2545, 0.4262** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **16.6125, 0.5240, 0.2777**, and the grayscale version is **32.6014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6839, 0.2614, 0.3842**, and **26.8401, 0.2582, 0.4494** is the 20% darker color. If you saturate the color by 10%, you get **52.3281, 0.2558, 0.4389**, and if you desaturate by 10%, it is **53.4868, 0.2551, 0.4133**.

Distribution



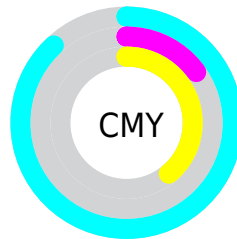
- Red (12%)
- Green (85%)
- Blue (61%)



- Red (12%)
- Yellow (56%)
- Blue (85%)



- Cyan (86%)
- Magenta (0%)
- Yellow (29%)
- Black (15%)





- Cyan (88%)
- Magenta (15%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.7854, 0.2545, 0.4262 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 52.7854, 0.2545, 0.4262 by changing the saturation by 10% instead.


 52.7854, 0.2545,
0.4262

 52.7854, 0.2545,
0.4262


397.4612, 0.2843,
0.3757

 37.6315, 0.2469,
0.4393


 94.2885, 0.2654,
0.4074

 25.6968, 0.2371,
0.4565


 121.4065, 0.2695,
0.4005


 16.5970, 0.2239,
0.4798


 153.2813, 0.2729,
0.3947

 9.9475, 0.2055,
0.5131

 190.2973, 0.2759,
0.3898

 5.3642, 0.1780,
0.5641

 232.8389, 0.2784,
0.3855

 2.4625, 0.1211,
0.6603

281.2905, 0.2806,

 0.8578, 0.0000,


0.3818


1.0000


336.0365, 0.2825,
0.3786


 0.0000, 0.0000,
0.0000


 52.7854, 0.2545,
0.4262


 52.7854, 0.2545,
0.4262

 52.3281, 0.2558,
0.4389


 53.4868, 0.2551,
0.4133

 52.1927, 0.2565,
0.4436

 54.4674, 0.2578,
0.4004

 55.7621, 0.2624,
0.3877

 57.3993, 0.2688,
0.3755

 59.4039, 0.2766,
0.3639

■ 61.7985, 0.2856,
0.3532

■ 64.6039, 0.2955,
0.3433

■ 67.8393, 0.3059,
0.3342

■ 71.5227, 0.3167,
0.3261

Harmonies

Analogous

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



52.7854, 0.3297, 0.4771



52.7854, 0.2545, 0.4262



52.7854, 0.1993, 0.3387

Triad

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



52.7854, 0.2545, 0.4262



52.7854, 0.2154, 0.2067



52.7854, 0.4734, 0.3619

Complementary

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



52.7854, 0.2545, 0.4262



16.6125, 0.5240, 0.2777

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.



52.7854, 0.4367, 0.3039



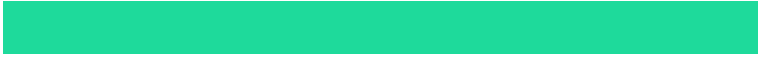
52.7854, 0.2545, 0.4262



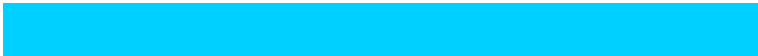
52.7854, 0.2783, 0.2195

Square

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



52.7854, 0.2545, 0.4262



52.7854, 0.1807, 0.2195



52.7854, 0.3608, 0.2538



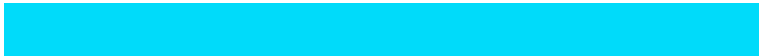
52.7854, 0.4587, 0.4206

Rectangle

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



52.7854, 0.2545, 0.4262



52.7854, 0.1795, 0.2850



52.7854, 0.3608, 0.2538



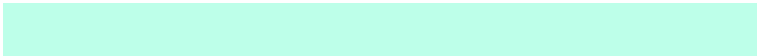
52.7854, 0.4669, 0.3421

Sweetspot

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



52.7875, 0.2545, 0.4262



88.1728, 0.2857, 0.3531



52.7093, 0.3250, 0.5692



18.6028, 0.2825, 0.3567



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.



52.7875, 0.2545, 0.4262



74.4092, 0.2568, 0.4446



42.0666, 0.2155, 0.2873



14.7516, 0.3026, 0.3369



31.2870, 0.2560, 0.4417



2.0427, 0.2503, 0.4210

Inverse Universe

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



16.6125, 0.5240, 0.2777



21.9214, 0.5685, 0.2905



18.0297, 0.5923, 0.3482



13.1231, 0.3239, 0.3212



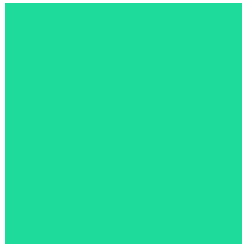
9.2358, 0.5624, 0.2872



0.6141, 0.5164, 0.2618

Previews

White Background



This preview shows how the Yxy color 52.7854, 0.2545, 0.4262 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 52.7854, 0.2545, 0.4262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

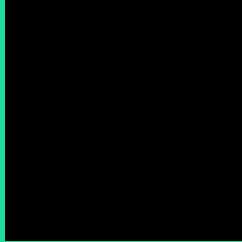
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.7854, 0.2545, 0.4262

Background



This preview shows how black text looks on a background with the Yxy color 52.7854, 0.2545, 0.4262.

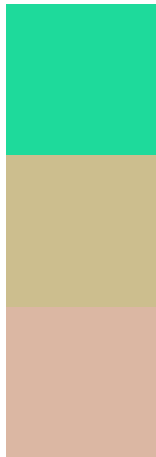


This preview shows how white text looks on a background with the Yxy color 52.7854, 0.2545, 0.4262.

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

52.7854, 0.2545, 0.4262

Protanopia

51.6173, 0.3629, 0.3886

Deuteranopia

51.5714, 0.3610, 0.3529



Tritanopia

52.6697, 0.2298, 0.3057

Trichromacy



Original Color

52.7854, 0.2545, 0.4262



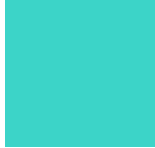
Protanomaly

49.0779, 0.3047, 0.4052



Deuteranomaly

48.5020, 0.3027, 0.3797



Tritanomaly

52.2178, 0.2375, 0.3461

Monochromacy



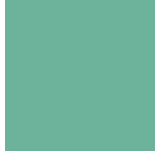
Original Color

52.7854, 0.2545, 0.4262



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

37.4586, 0.2749, 0.3660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.7854, 0.2545, 0.4262 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(30, 218, 155)` looks like.

```
.text, #text, p{  
    color:rgb(30, 218, 155)  
}
```

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(30, 218, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 218, 155) }
```

Border

The CSS property to change the border of an element to Yxy 52.7854, 0.2545, 0.4262 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(30, 218, 155) }
```

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

```
.border{ border-color:rgb(30, 218, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 218, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 218, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 218, 155);  
box-shadow:4px 4px 4px 4px rgb(30, 218,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 52.7854, 0.2545, 0.4262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 218, 155) }
```

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

```
.background{ background-color: rgb(30, 218,  
155) }
```

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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