

Converting Colors

$Y_{xy}(41.8201, 0.2577, 0.4385)$

Have a look what the booklet for
Yxy(41.8201, 0.2577, 0.4385)
contains.

Yxy(41.8201, 0.2577, 0.4385)	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(41.8201, 0.2577, 0.4385)

Conversions

Conversions Part 1

Format	Color
Hex	18C585
RGB	24, 197, 133
RGB Percent	9%, 77%, 52%
CMY	0.9060, 0.2274, 0.4784
CMYK	0.88, 0.00, 0.32, 0.23
HSL	158°, 78%, 43%
HSV	158°, 88%, 77%
XYZ	24.5771, 41.8201, 28.9737
YIQ	137.9770, -82.5640, -56.5800

Conversions

Conversions Part 2

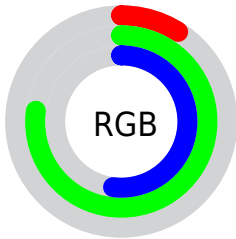
Format	Color
R_{YB}	24, 130, 197
Decimal	1623429
CIE Lab	70.75, -55.37, 20.92
CIE LCh	71, 59.187, 159.298
Yxy	41.8201, 0.2577, 0.4385
Android (android.graphics.Color)	4279813509 (0xFF18C585)
YUV	137.9770, -2.4537, -99.9578
Hunter-Lab	64.6685, -45.3314, 18.7040

Details

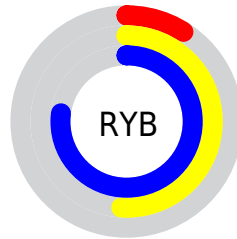
The Yxy color **41.8201, 0.2577, 0.4385** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.2271, 0.5147, 0.2711**, and the grayscale version is **25.4385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0684, 0.2692, 0.4166**, and **19.9705, 0.2634, 0.4682** is the 20% darker color. If you saturate the color by 10%, you get **41.4609, 0.2594, 0.4525**, and if you desaturate by 10%, it is **42.3647, 0.2578, 0.4242**.

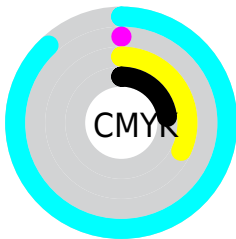
Distribution



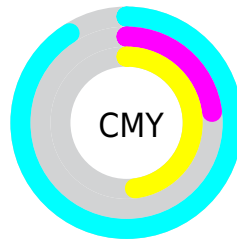
- Red (9%)
- Green (77%)
- Blue (52%)



- Red (9%)
- Yellow (51%)
- Blue (77%)



- Cyan (88%)
- Magenta (0%)
- Yellow (32%)
- Black (23%)





- Cyan (91%)
- Magenta (23%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8201, 0.2577, 0.4385 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 41.8201, 0.2577, 0.4385 by changing the saturation by 10% instead.


 41.8201, 0.2577,
0.4385


 41.8201, 0.2577,
0.4385


353.7366, 0.2874,
0.3791

 28.9605, 0.2496,
0.4549


 77.9273, 0.2690,
0.4158

 19.0509, 0.2387,
0.4769

 101.9436, 0.2731,
0.4076


 11.7071, 0.2235,
0.5078

 130.4476, 0.2765,
0.4008

 6.5445, 0.2009,
0.5542

 163.8237, 0.2793,
0.3951

 3.1789, 0.1646,
0.6295

 202.4562, 0.2818,
0.3902

 1.2258, 0.0000,
1.0000

246.7296, 0.2839,

 0.0827, 0.0000,

0.3860

1.0000

297.0283, 0.2857,
0.3824

■ 0.0000, 0.0000,
0.0000

■ 41.8201, 0.2577,
0.4385

■ 41.8201, 0.2577,
0.4385

■ 41.4609, 0.2594,
0.4525

■ 42.3647, 0.2578,
0.4242

■ 41.3929, 0.2599,
0.4555

■ 43.1283, 0.2600,
0.4099

■ 44.1389, 0.2641,
0.3958

■ 45.4188, 0.2699,
0.3822

■ 46.9880, 0.2772,
0.3693

■ 48.8643, 0.2856,
0.3573

■ 51.0642, 0.2949,
0.3462

■ 53.6030, 0.3048,
0.3362

■ 56.4949, 0.3149,
0.3271

Harmonies

Analogous

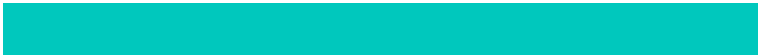
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.8201, 0.3367, 0.4864



41.8201, 0.2577, 0.4385



41.8201, 0.1981, 0.3469

Triad

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



41.8201, 0.2577, 0.4385



41.8201, 0.2070, 0.2019



41.8201, 0.4797, 0.3568

Complementary

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



41.8201, 0.2577, 0.4385



13.2271, 0.5147, 0.2711

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.



41.8201, 0.4370, 0.2974



41.8201, 0.2577, 0.4385



41.8201, 0.2698, 0.2131

Square

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



41.8201, 0.2577, 0.4385



41.8201, 0.1738, 0.2174



41.8201, 0.3550, 0.2469



41.8201, 0.4680, 0.4182

Rectangle

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



41.8201, 0.2577, 0.4385



41.8201, 0.1759, 0.2890



41.8201, 0.3550, 0.2469



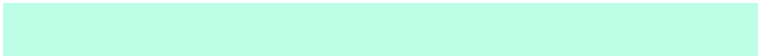
41.8201, 0.4714, 0.3365

Sweetspot

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



41.8218, 0.2577, 0.4385



88.0408, 0.2869, 0.3557



42.1887, 0.3282, 0.5679



18.5713, 0.2838, 0.3598



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.



41.8218, 0.2577, 0.4385



74.0827, 0.2604, 0.4576



35.5973, 0.2177, 0.2965



11.9984, 0.3032, 0.3377



27.2417, 0.2594, 0.4537



1.3035, 0.2513, 0.4245

Inverse Universe

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



13.2271, 0.5147, 0.2711



22.0735, 0.5549, 0.2830



13.7504, 0.6010, 0.3429



10.7007, 0.3233, 0.3205



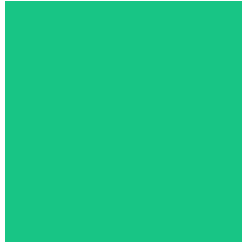
8.1376, 0.5477, 0.2791



0.3993, 0.4903, 0.2475

Previews

White Background



This preview shows how the Yxy color 41.8201, 0.2577, 0.4385 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 41.8201, 0.2577, 0.4385 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 41.8201, 0.2577, 0.4385

Background



This preview shows how black text looks on a background with the Yxy color 41.8201, 0.2577, 0.4385.

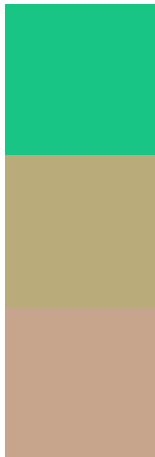


This preview shows how white text looks on a background with the Yxy color 41.8201, 0.2577, 0.4385.

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

41.8201, 0.2577, 0.4385

Protanopia

40.8452, 0.3690, 0.3957

Deuteranopia

40.9458, 0.3687, 0.3617



Tritanopia

41.6178, 0.2308, 0.3063

Trichromacy



Original Color

41.8201, 0.2577, 0.4385



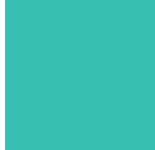
Protanomaly

38.5845, 0.3087, 0.4151



Deuteranomaly

38.4013, 0.3081, 0.3914



Tritanomaly

41.2602, 0.2388, 0.3495

Monochromacy



Original Color

41.8201, 0.2577, 0.4385



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.1152, 0.2768, 0.3702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8201, 0.2577, 0.4385 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(24, 197, 133)` looks like.

```
.text, #text, p{  
    color:rgb(24, 197, 133)  
}
```

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(24, 197, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 197, 133) }
```

Border

The CSS property to change the border of an element to Yxy 41.8201, 0.2577, 0.4385 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(24, 197, 133) }
```

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

```
.border{ border-color:rgb(24, 197, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 197, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 197, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 197, 133);  
box-shadow:4px 4px 4px 4px rgb(24, 197,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8201, 0.2577, 0.4385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 197, 133) }
```

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

```
.background{ background-color: rgb(24, 197,  
133) }
```

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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