

Converting Colors

$Yxy(41.5684, 0.2383, 0.3716)$

Have a look what the booklet for
Yxy(41.5684, 0.2383, 0.3716)
contains.

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Color

Yxy(41.5702, 0.2383, 0.3715)

Conversions

Conversions Part 1

Format	Color
Hex	15C2A8
RGB	21, 194, 168
RGB Percent	8%, 76%, 66%
CMY	0.9184, 0.2392, 0.3412
CMYK	0.89, 0.00, 0.13, 0.24
HSL	171°, 81%, 42%
HSV	171°, 89%, 76%
XYZ	26.6654, 41.5702, 43.6627
YIQ	139.3090, -94.7620, -44.7620

Conversions

Conversions Part 2

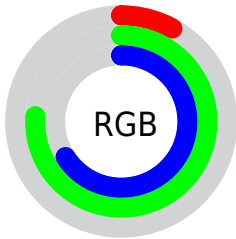
Format	Color
R _Y B	21, 115, 194
Decimal	1426088
CIE Lab	70.57, -45.84, 1.78
CIE LCh	71, 45.876, 177.776
Yxy	41.5702, 0.2383, 0.3715
Android (android.graphics.Color)	4279616168 (0xFF15C2A8)
YUV	139.3090, 14.1447, -103.7570
Hunter-Lab	64.4750, -39.0077, 4.9810

Details

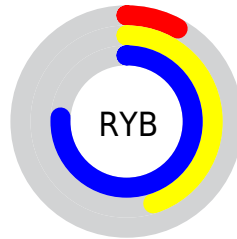
The Yxy color **41.5702, 0.2383, 0.3715** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.2033, 0.5898, 0.3126**, and the grayscale version is **25.8936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3253, 0.2520, 0.3632**, and **19.7262, 0.2391, 0.3809** is the 20% darker color. If you saturate the color by 10%, you get **41.3162, 0.2381, 0.3768**, and if you desaturate by 10%, it is **41.9795, 0.2401, 0.3662**.

Distribution



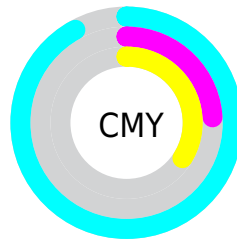
- Red (8%)
- Green (76%)
- Blue (66%)



- Red (8%)
- Yellow (45%)
- Blue (76%)



- Cyan (89%)
- Magenta (0%)
- Yellow (13%)
- Black (24%)




- Cyan (92%)
- Magenta (24%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5702, 0.2383, 0.3715 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 41.5702, 0.2383, 0.3715 by changing the saturation by 10% instead.


 41.5702, 0.2383,
0.3715

 41.5702, 0.2383,
0.3715


352.6981, 0.2760,
0.3498


 28.7649, 0.2288,
0.3770


 77.5487, 0.2521,
0.3635

 18.9030, 0.2166,
0.3842


 101.4907, 0.2572,
0.3606

 11.6002, 0.2004,
0.3938


 129.9138, 0.2615,
0.3581

 6.4721, 0.1779,
0.4074

 163.2022, 0.2653,
0.3559

 3.1342, 0.1450,
0.4277

 201.7405, 0.2685,
0.3541

 1.2022, 0.0000,
0.5084

245.9130, 0.2713,

 0.0635, 0.0000,

0.3525

1.0000

296.1041, 0.2738,
0.3511

■ 0.0000, 0.0000,
0.0000

■ 41.5702, 0.2383,
0.3715

■ 41.5702, 0.2383,
0.3715

■ 41.3162, 0.2381,
0.3768

■ 41.9795, 0.2401,
0.3662

■ 41.2995, 0.2381,
0.3771

■ 42.5850, 0.2437,
0.3609

■ 43.4138, 0.2493,
0.3556

■ 44.4879, 0.2567,
0.3505

■ 45.8263, 0.2657,
0.3456

■ 47.4464, 0.2762,
0.3409

■ 49.3640, 0.2879,
0.3365

■ 51.5937, 0.3005,
0.3324

■ 54.1492, 0.3137,
0.3287

Harmonies

Analogous

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



41.5702, 0.2947, 0.4310



41.5702, 0.2383, 0.3715



41.5702, 0.2039, 0.3031

Triad

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



41.5702, 0.2383, 0.3715



41.5702, 0.2574, 0.2292



41.5702, 0.4438, 0.3859

Complementary

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



41.5702, 0.2383, 0.3715



12.2033, 0.5898, 0.3126

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.



41.5702, 0.4347, 0.3355



41.5702, 0.2383, 0.3715



41.5702, 0.3201, 0.2503

Square

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



41.5702, 0.2383, 0.3715



41.5702, 0.2145, 0.2289



41.5702, 0.3873, 0.2879



41.5702, 0.4144, 0.4299

Rectangle

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



41.5702, 0.2383, 0.3715



41.5702, 0.1958, 0.2668



41.5702, 0.3873, 0.2879



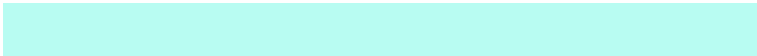
41.5702, 0.4454, 0.3693

Sweetspot

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



41.5718, 0.2383, 0.3715



86.5535, 0.2783, 0.3400



39.3106, 0.3083, 0.5847



18.7097, 0.2744, 0.3416



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.



41.5718, 0.2383, 0.3715



74.7864, 0.2383, 0.3779



21.7381, 0.1991, 0.2291



11.4016, 0.3004, 0.3325



27.1601, 0.2379, 0.3764



1.1807, 0.2346, 0.3647

Inverse Universe

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



12.2033, 0.5898, 0.3126



20.9189, 0.6226, 0.3204



17.0494, 0.5605, 0.3800



10.1020, 0.3266, 0.3256



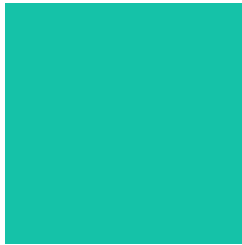
7.6072, 0.6174, 0.3175



0.3367, 0.5639, 0.2880

Previews

White Background



This preview shows how the Yxy color 41.5702, 0.2383, 0.3715 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 41.5702, 0.2383, 0.3715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

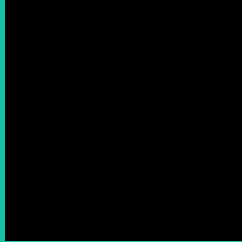
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.5702, 0.2383, 0.3715

Background



This preview shows how black text looks on a background with the Yxy color 41.5702, 0.2383, 0.3715.

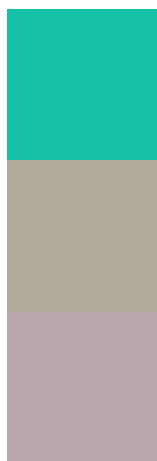


This preview shows how white text looks on a background with the Yxy color 41.5702, 0.2383, 0.3715.

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

41.5702, 0.2383, 0.3715

Protanopia

40.9574, 0.3329, 0.3511

Deuteranopia

40.7675, 0.3244, 0.3185



Tritanopia

41.5956, 0.2262, 0.3062

Trichromacy



Original Color

41.5702, 0.2383, 0.3715



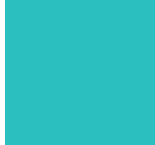
Protanomaly

38.8432, 0.2801, 0.3585



Deuteranomaly

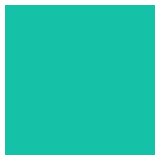
38.4648, 0.2750, 0.3350



Tritanomaly

41.5368, 0.2298, 0.3288

Monochromacy



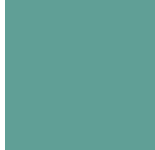
Original Color

41.5702, 0.2383, 0.3715



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.4851, 0.2656, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5702, 0.2383, 0.3715 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(21, 194, 168)` looks like.

```
.text, #text, p{  
    color:rgb(21, 194, 168)  
}
```

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(21, 194, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 194, 168) }
```

Border

The CSS property to change the border of an element to Yxy 41.5702, 0.2383, 0.3715 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(21, 194, 168) }
```

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

```
.border{ border-color:rgb(21, 194, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 194, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 194, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 194, 168);  
box-shadow:4px 4px 4px 4px rgb(21, 194,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5702, 0.2383, 0.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 194, 168) }
```

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

```
.background{ background-color: rgb(21, 194,  
168) }
```

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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