

Converting Colors

$Yxy(43.4457, 0.2545, 0.4151)$

Have a look what the booklet for
Yxy(43.4457, 0.2545, 0.4151)
contains.

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Color

Yxy(43.4457, 0.2545, 0.4151)

Conversions

Conversions Part 1

Format	Color
Hex	2AC793
RGB	42, 199, 147
RGB Percent	16%, 78%, 58%
CMY	0.8362, 0.2195, 0.4236
CMYK	0.79, 0.00, 0.26, 0.22
HSL	160°, 65%, 47%
HSV	160°, 79%, 78%
XYZ	26.6368, 43.4457, 34.5807
YIQ	146.1290, -76.8800, -49.4560

Conversions

Conversions Part 2

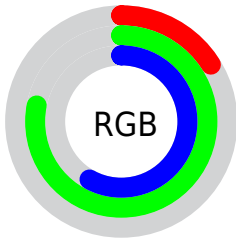
Format	Color
RYB	42, 136, 199
Decimal	2803603
CIELab	71.86, -51.49, 15.02
CIELCh	72, 53.635, 163.735
Yxy	43.4457, 0.2545, 0.4151
Android (android.graphics.Color)	4280993683 (0xFF2AC793)
YUV	146.1290, 0.4294, -91.3211
Hunter-Lab	65.9134, -43.2133, 15.0335

Details

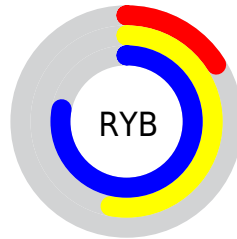
The Yxy color **43.4457, 0.2545, 0.4151** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **14.5882, 0.4984, 0.2755**, and the grayscale version is **28.7952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3145, 0.2658, 0.3959**, and **20.7910, 0.2554, 0.4394** is the 20% darker color. If you saturate the color by 10%, you get **42.9283, 0.2543, 0.4278**, and if you desaturate by 10%, it is **44.1862, 0.2567, 0.4024**.

Distribution



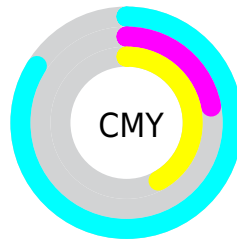
- Red (16%)
- Green (78%)
- Blue (58%)



- Red (16%)
- Yellow (53%)
- Blue (78%)



- Cyan (79%)
- Magenta (0%)
- Yellow (26%)
- Black (22%)




- Cyan (84%)
- Magenta (22%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.4457, 0.2545, 0.4151 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 43.4457, 0.2545, 0.4151 by changing the saturation by 10% instead.


 43.4457, 0.2545,
0.4151


 43.4457, 0.2545,
0.4151


360.4415, 0.2849,
0.3693

 30.2350, 0.2465,
0.4275


 80.3830, 0.2658,
0.3978

 20.0170, 0.2360,
0.4439


 104.8784, 0.2700,
0.3915

 12.4074, 0.2217,
0.4668


 133.9041, 0.2735,
0.3862

 7.0218, 0.2011,
0.5006

 167.8445, 0.2765,
0.3818

 3.4757, 0.1692,
0.5551

 207.0841, 0.2790,
0.3780

 1.3849, 0.0000,
0.7852

252.0072, 0.2812,

 0.2055, 0.0000,

0.3747

1.0000

302.9982, 0.2832,
0.3718

■ 0.0000, 0.0000,
0.0000

■ 43.4457, 0.2545,
0.4151

■ 43.4457, 0.2545,
0.4151

■ 42.9283, 0.2543,
0.4278

■ 44.1862, 0.2567,
0.4024

■ 42.5827, 0.2558,
0.4402


■ 45.1721, 0.2609,
0.3899


■ 42.5519, 0.2560,
0.4415


■ 46.4284, 0.2669,
0.3778

■ 47.9757, 0.2744,
0.3663

■ 49.8325, 0.2831,
0.3555

 52.0157, 0.2928,
0.3455

 54.5410, 0.3031,
0.3364

 57.4232, 0.3138,
0.3282

 60.6759, 0.3246,
0.3209

Harmonies

Analogous

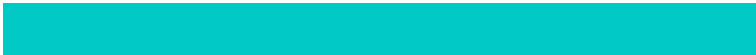
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.4457, 0.3251, 0.4659



43.4457, 0.2545, 0.4151



43.4457, 0.2034, 0.3337

Triad

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



43.4457, 0.2545, 0.4151



43.4457, 0.2237, 0.2131



43.4457, 0.4643, 0.3647

Complementary

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



43.4457, 0.2545, 0.4151



14.5882, 0.4984, 0.2755

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.



43.4457, 0.4324, 0.3090



43.4457, 0.2545, 0.4151



43.4457, 0.2849, 0.2265

Square

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



43.4457, 0.2545, 0.4151



43.4457, 0.1887, 0.2242



43.4457, 0.3629, 0.2605



43.4457, 0.4485, 0.4199

Rectangle

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



43.4457, 0.2545, 0.4151



43.4457, 0.1855, 0.2842



43.4457, 0.3629, 0.2605



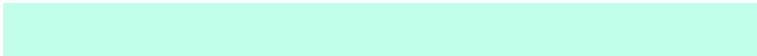
43.4457, 0.4590, 0.3458

Sweetspot

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



43.4474, 0.2545, 0.4151



88.9467, 0.2875, 0.3507



43.4087, 0.3262, 0.5559



18.7523, 0.2841, 0.3544



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.



43.4474, 0.2545, 0.4151



74.6930, 0.2553, 0.4370



34.4249, 0.2182, 0.2871



12.0056, 0.3027, 0.3368



27.3740, 0.2555, 0.4397



1.3092, 0.2483, 0.4138

Inverse Universe

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



14.5882, 0.4984, 0.2755



22.3300, 0.5555, 0.2861



16.4411, 0.5606, 0.3540



10.6939, 0.3239, 0.3214



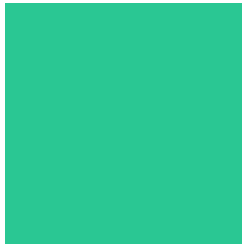
8.0740, 0.5627, 0.2873



0.3958, 0.5031, 0.2545

Previews

White Background



This preview shows how the Yxy color 43.4457, 0.2545, 0.4151 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 43.4457, 0.2545, 0.4151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

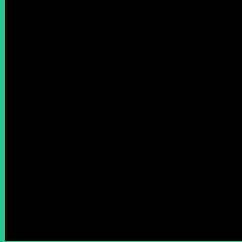
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.4457, 0.2545, 0.4151

Background



This preview shows how black text looks on a background with the Yxy color 43.4457, 0.2545, 0.4151.

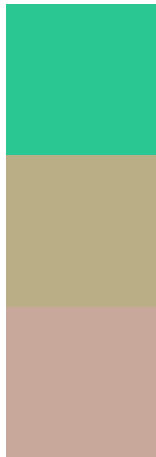


This preview shows how white text looks on a background with the Yxy color 43.4457, 0.2545, 0.4151.

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

43.4457, 0.2545, 0.4151

Protanopia

42.4605, 0.3574, 0.3817

Deuteranopia

42.4805, 0.3546, 0.3472



Tritanopia

43.2625, 0.2314, 0.3053

Trichromacy



Original Color

43.4457, 0.2545, 0.4151



Protanomaly

40.7994, 0.3055, 0.3966



Deuteranomaly

40.2253, 0.3032, 0.3711



Tritanomaly

43.1431, 0.2391, 0.3427

Monochromacy



Original Color

43.4457, 0.2545, 0.4151



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

32.1737, 0.2787, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4457, 0.2545, 0.4151 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(42, 199, 147)` looks like.

```
.text, #text, p{  
    color:rgb(42, 199, 147)  
}
```

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(42, 199, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 199, 147) }
```

Border

The CSS property to change the border of an element to Yxy 43.4457, 0.2545, 0.4151 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(42, 199, 147) }
```

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

```
.border{ border-color:rgb(42, 199, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 199, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 199, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 199, 147);  
box-shadow:4px 4px 4px 4px rgb(42, 199,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4457, 0.2545, 0.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 199, 147) }
```

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

```
.background{ background-color: rgb(42, 199,  
147) }
```

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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