

Converting Colors

$Y_{xy}(50.2925, 0.2428, 0.3847)$

Have a look what the booklet for
Yxy(50.2925, 0.2428, 0.3847)
contains.

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Color

Yxy(50.4581, 0.2431, 0.3855)

Conversions

Conversions Part 1

Format	Color
Hex	1ED4AF
RGB	30, 212, 175
RGB Percent	12%, 83%, 69%
CMY	0.8816, 0.1686, 0.3138
CMYK	0.86, 0.00, 0.17, 0.17
HSL	168°, 75%, 47%
HSV	168°, 86%, 83%
XYZ	31.8194, 50.4581, 48.6126
YIQ	153.3640, -96.5950, -50.0910

Conversions

Conversions Part 2

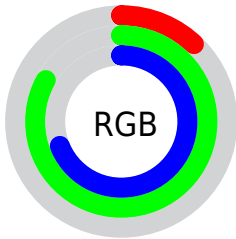
Format	Color
RYB	30, 131, 212
Decimal	2020527
CIELab	76.35, -50.88, 6.36
CIELCh	76, 51.275, 172.871
Yxy	50.4581, 0.2431, 0.3855
Android (android.graphics.Color)	4280210607 (0xFF1ED4AF)
YUV	153.3640, 10.6665, -108.1902
Hunter-Lab	71.0339, -44.3508, 9.1482

Details

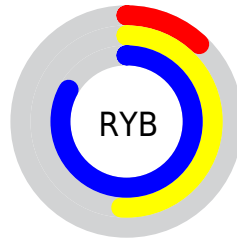
The Yxy color **50.4581, 0.2431, 0.3855** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **15.3425, 0.5640, 0.3022**, and the grayscale version is **32.0305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6779, 0.2523, 0.3588**, and **25.2070, 0.2437, 0.3972** is the 20% darker color. If you saturate the color by 10%, you get **50.0723, 0.2430, 0.3929**, and if you desaturate by 10%, it is **51.0674, 0.2450, 0.3780**.

Distribution



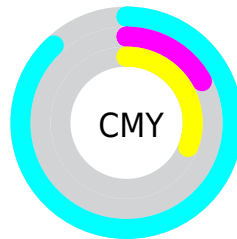
- Red (12%)
- Green (83%)
- Blue (69%)



- Red (12%)
- Yellow (51%)
- Blue (83%)



- Cyan (86%)
- Magenta (0%)
- Yellow (17%)
- Black (17%)




- Cyan (88%)
- Magenta (17%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.4581, 0.2431, 0.3855 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 50.4581, 0.2431, 0.3855 by changing the saturation by 10% instead.


 50.4581, 0.2431,
0.3855


 50.4581, 0.2431,
0.3855


388.4547, 0.2775,
0.3569

 35.7775, 0.2347,
0.3927


 90.8532, 0.2555,
0.3751


 24.2624, 0.2239,
0.4020


 117.3366, 0.2602,
0.3712

 15.5284, 0.2099,
0.4144


 148.5230, 0.2642,
0.3679

 9.1911, 0.1907,
0.4318

 184.7969, 0.2676,
0.3650

 4.8660, 0.1632,
0.4577

 226.5426, 0.2706,
0.3626

 2.1689, 0.1115,
0.5057

274.1445, 0.2732,

 0.7029, 0.0000,

0.3605

0.6869

327.9871, 0.2755,
0.3586

■ 0.0000, 0.0000,
0.0000

■ 50.4581, 0.2431,
0.3855

■ 50.4581, 0.2431,
0.3855

■ 50.0723, 0.2430,
0.3929

■ 51.0674, 0.2450,
0.3780

■ 49.9453, 0.2433,
0.3960

■ 51.9316, 0.2489,
0.3706

■ 53.0829, 0.2546,
0.3633

■ 54.5472, 0.2622,
0.3562

■ 56.3476, 0.2714,
0.3495

■ 58.5049, 0.2818,
0.3431

■ 61.0381, 0.2933,
0.3373

■ 63.9651, 0.3055,
0.3319

■ 67.3025, 0.3181,
0.3270

Harmonies

Analogous

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



50.4581, 0.3044, 0.4433



50.4581, 0.2431, 0.3855



50.4581, 0.2032, 0.3123

Triad

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



50.4581, 0.2431, 0.3855



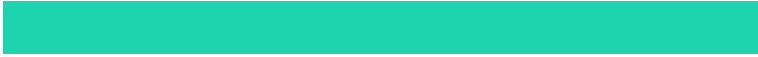
50.4581, 0.2459, 0.2235



50.4581, 0.4512, 0.3792

Complementary

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



50.4581, 0.2431, 0.3855



15.3425, 0.5640, 0.3022

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.



50.4581, 0.4349, 0.3268



50.4581, 0.2431, 0.3855



50.4581, 0.3086, 0.2422

Square

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



50.4581, 0.2431, 0.3855



50.4581, 0.2055, 0.2269



50.4581, 0.3800, 0.2787



50.4581, 0.4260, 0.4274

Rectangle

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



50.4581, 0.2431, 0.3855



50.4581, 0.1919, 0.2718



50.4581, 0.3800, 0.2787



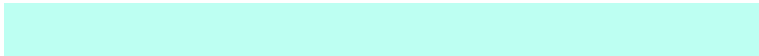
50.4581, 0.4507, 0.3617

Sweetspot

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



50.4601, 0.2431, 0.3855



88.6815, 0.2813, 0.3434



48.4677, 0.3130, 0.5773



18.7246, 0.2775, 0.3456



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.



50.4601, 0.2431, 0.3855



75.8361, 0.2436, 0.3968



30.3424, 0.2052, 0.2482



14.0625, 0.3009, 0.3338



30.8488, 0.2431, 0.3950



1.8719, 0.2395, 0.3822

Inverse Universe

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



15.3425, 0.5640, 0.3022



21.5071, 0.6106, 0.3138



20.0809, 0.5629, 0.3720



12.4617, 0.3259, 0.3243



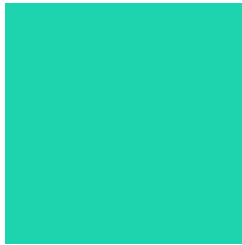
8.7611, 0.6053, 0.3108



0.5405, 0.5570, 0.2842

Previews

White Background



This preview shows how the Yxy color 50.4581, 0.2431, 0.3855 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 50.4581, 0.2431, 0.3855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

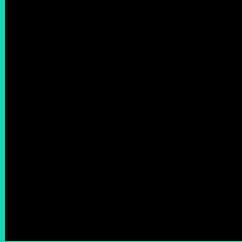
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

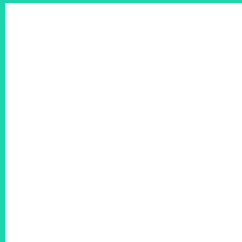
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.4581, 0.2431, 0.3855

Background



This preview shows how black text looks on a background with the Yxy color 50.4581, 0.2431, 0.3855.

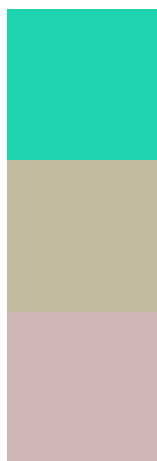


This preview shows how white text looks on a background with the Yxy color 50.4581, 0.2431, 0.3855.

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

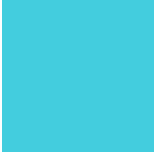
50.4581, 0.2431, 0.3855

Protanopia

49.4622, 0.3405, 0.3595

Deuteranopia

49.5470, 0.3336, 0.3278



Tritanopia

50.1299, 0.2272, 0.3052

Trichromacy



Original Color

50.4581, 0.2431, 0.3855



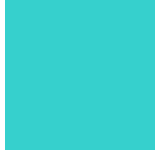
Protanomaly

47.0545, 0.2876, 0.3693



Deuteranomaly

46.7047, 0.2836, 0.3473



Tritanomaly

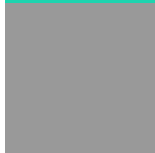
50.3038, 0.2324, 0.3331

Monochromacy



Original Color

50.4581, 0.2431, 0.3855



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

36.0335, 0.2695, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4581, 0.2431, 0.3855 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, 212, 175)` looks like.

```
.text, #text, p{  
    color:rgb(30, 212, 175)  
}
```

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, 212, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 212, 175) }
```

Border

The CSS property to change the border of an element to Yxy 50.4581, 0.2431, 0.3855 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, 212, 175) }
```

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

```
.border{ border-color:rgb(30, 212, 175) }
```

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

Here you see how a box with a 4 pixel rgb(30, 212, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 212, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 212, 175);  
box-shadow:4px 4px 4px 4px rgb(30, 212,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4581, 0.2431, 0.3855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 212, 175) }
```

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

```
.background{ background-color: rgb(30, 212,  
175) }
```

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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