

Converting Colors

$Y_{xy}(41.8419, 0.2429, 0.3450)$

Have a look what the booklet for
Yxy(41.8419, 0.2429, 0.3450)
contains.

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Color

Yxy(41.9374, 0.2429, 0.3444)

Conversions

Conversions Part 1

Format	Color
Hex	47BFB5
RGB	71, 191, 181
RGB Percent	28%, 75%, 71%
CMY	0.7210, 0.2510, 0.2902
CMYK	0.63, 0.00, 0.05, 0.25
HSL	175°, 48%, 51%
HSV	175°, 63%, 75%
XYZ	29.5778, 41.9374, 50.2543
YIQ	153.9800, -68.3100, -28.5500

Conversions

Conversions Part 2

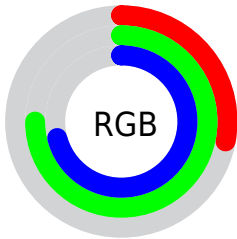
Format	Color
RYB	71, 134, 191
Decimal	4702133
CIELab	70.83, -35.43, -4.86
CIElCh	71, 35.761, 187.808
Yxy	41.9374, 0.2429, 0.3444
Android (android.graphics.Color)	4282892213 (0xFF47BFB5)
YUV	153.9800, 13.3209, -72.7735
Hunter-Lab	64.7591, -31.8011, -0.6788

Details

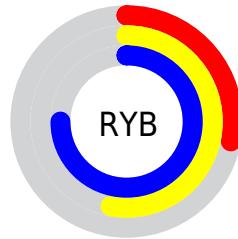
The Yxy color **41.9374, 0.2429, 0.3444** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **16.1962, 0.4945, 0.3173**, and the grayscale version is **32.2860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1548, 0.2553, 0.3418**, and **19.4498, 0.2302, 0.3486** is the 20% darker color. If you saturate the color by 10%, you get **41.2603, 0.2375, 0.3472**, and if you desaturate by 10%, it is **42.8456, 0.2502, 0.3416**.

Distribution



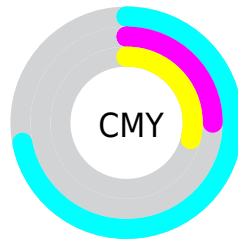
- Red (28%)
- Green (75%)
- Blue (71%)



- Red (28%)
- Yellow (53%)
- Blue (75%)



- Cyan (63%)
- Magenta (0%)
- Yellow (5%)
- Black (25%)



- Cyan (72%)
- Magenta (25%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9374, 0.2429, 0.3444 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 41.9374, 0.2429, 0.3444 by changing the saturation by 10% instead.


 41.9374, 0.2429,
0.3444


 41.9374, 0.2429,
0.3444


354.2234, 0.2778,
0.3372


 29.0523, 0.2342,
0.3460


 78.1049, 0.2556,
0.3419


 19.1204, 0.2231,
0.3480

 102.1560, 0.2603,
0.3409


 11.7573, 0.2084,
0.3504

 130.6980, 0.2644,
0.3401

 6.5786, 0.1882,
0.3533

 164.1151, 0.2678,
0.3394

 3.2000, 0.1589,
0.3566

 202.7918, 0.2708,
0.3387

 1.2370, 0.0824,
0.3716

247.1125, 0.2735,

 0.0916, 0.0000,

0.3381

0.1725

297.4615, 0.2758,
0.3376

0.0000, 0.0000,
0.0000

41.9374, 0.2429,
0.3444

41.9374, 0.2429,
0.3444

41.2603, 0.2375,
0.3472

42.8456, 0.2502,
0.3416

40.7872, 0.2341,
0.3500

43.9991, 0.2592,
0.3389

40.4934, 0.2324,
0.3528

45.4169, 0.2698,
0.3363

40.3557, 0.2319,
0.3548

47.1145, 0.2818,
0.3339

49.1063, 0.2949,
0.3316

■ 51.4059, 0.3088,
0.3295

■ 54.0259, 0.3232,
0.3276

■ 56.9780, 0.3379,
0.3260

■ 60.2736, 0.3525,
0.3245

Harmonies

Analogous

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



41.9374, 0.2834, 0.3937



41.9374, 0.2429, 0.3444



41.9374, 0.2214, 0.2948

Triad

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



41.9374, 0.2429, 0.3444



41.9374, 0.2850, 0.2528



41.9374, 0.4111, 0.3889

Complementary

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



41.9374, 0.2429, 0.3444



16.1962, 0.4945, 0.3173

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.



41.9374, 0.4135, 0.3497



41.9374, 0.2429, 0.3444



41.9374, 0.3370, 0.2750

Square

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



41.9374, 0.2429, 0.3444



41.9374, 0.2441, 0.2471



41.9374, 0.3856, 0.3093



41.9374, 0.3811, 0.4170

Rectangle

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



41.9374, 0.2429, 0.3444



41.9374, 0.2194, 0.2700



41.9374, 0.3856, 0.3093



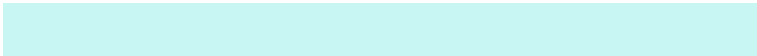
41.9374, 0.4153, 0.3765

Sweetspot

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



41.9390, 0.2429, 0.3444



85.5612, 0.2862, 0.3331



39.4695, 0.3089, 0.5261



18.5718, 0.2825, 0.3338



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.9390, 0.2429, 0.3444



73.5749, 0.2361, 0.3482



24.1723, 0.2187, 0.2453



10.7955, 0.2996, 0.3309



26.5300, 0.2318, 0.3545



1.0433, 0.2299, 0.3478

Inverse Universe

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



16.1962, 0.4945, 0.3173



23.8054, 0.5552, 0.3181



25.2263, 0.4605, 0.3942



9.5489, 0.3276, 0.3271



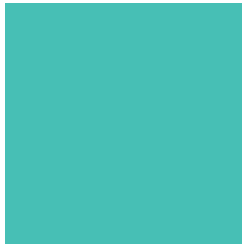
7.3088, 0.6294, 0.3241



0.2907, 0.5924, 0.3037

Previews

White Background



This preview shows how the Yxy color 41.9374, 0.2429, 0.3444 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 41.9374, 0.2429, 0.3444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

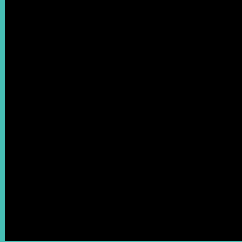
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

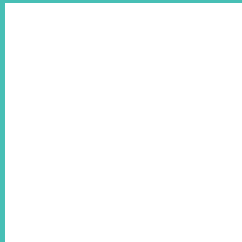
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.9374, 0.2429, 0.3444

Background



This preview shows how black text looks on a background with the Yxy color 41.9374, 0.2429, 0.3444.

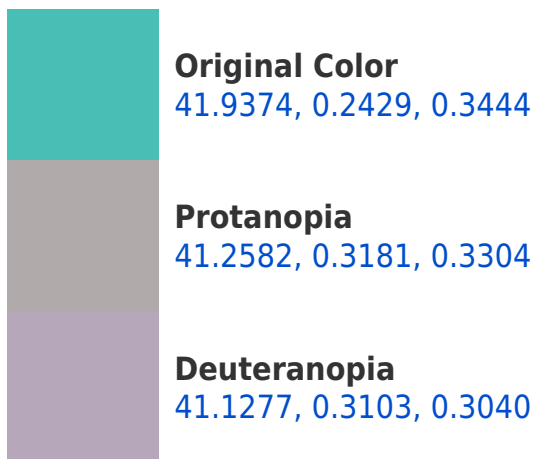


This preview shows how white text looks on a background with the Yxy color 41.9374, 0.2429, 0.3444.

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





Tritanopia

42.0276, 0.2345, 0.3065

Trichromacy



Original Color

41.9374, 0.2429, 0.3444

Protanomaly

40.3001, 0.2828, 0.3348

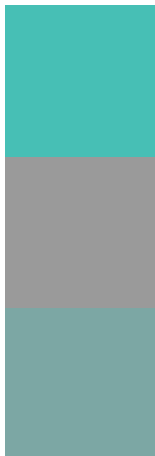
Deuteranomaly

40.2621, 0.2785, 0.3174

Tritanomaly

41.9131, 0.2373, 0.3197

Monochromacy



Original Color

41.9374, 0.2429, 0.3444

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.6029, 0.2780, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9374, 0.2429, 0.3444 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(71, 191, 181)` looks like.

```
.text, #text, p{  
    color:rgb(71, 191, 181)  
}
```

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(71, 191, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 191, 181) }
```

Border

The CSS property to change the border of an element to Yxy 41.9374, 0.2429, 0.3444 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(71, 191, 181) }
```

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

```
.border{ border-color:rgb(71, 191, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 191, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 191, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 191, 181);  
box-shadow:4px 4px 4px 4px rgb(71, 191,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9374, 0.2429, 0.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 191, 181) }
```

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

```
.background{ background-color: rgb(71, 191,  
181) }
```

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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