

Converting Colors

$Y_{xy}(47.8182, 0.2381, 0.3542)$

Have a look what the booklet for
Yxy(47.8182, 0.2381, 0.3542)
contains.

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Color

Yxy(47.9716, 0.2381, 0.3545)

Conversions

Conversions Part 1

Format	Color
Hex	32CDBC
RGB	50, 205, 188
RGB Percent	20%, 80%, 74%
CMY	0.8041, 0.1960, 0.2628
CMYK	0.76, 0.00, 0.08, 0.20
HSL	173°, 61%, 50%
HSV	173°, 76%, 80%
XYZ	32.2201, 47.9716, 55.1301
YIQ	156.7170, -86.9230, -38.1470

Conversions

Conversions Part 2

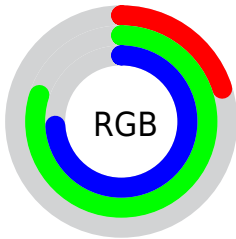
Format	Color
RYB	50, 132, 205
Decimal	3329468
CIELab	74.81, -42.78, -2.84
CIELCh	75, 42.873, 183.802
Yxy	47.9716, 0.2381, 0.3545
Android (android.graphics.Color)	4281519548 (0xFF32CDBC)
YUV	156.7170, 15.4225, -93.5908
Hunter-Lab	69.2615, -38.1703, 1.2900

Details

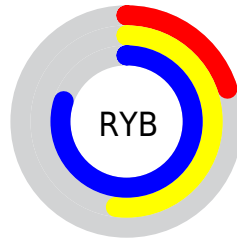
The Yxy color **47.9716, 0.2381, 0.3545** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **15.6614, 0.5479, 0.3140**, and the grayscale version is **33.5350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1166, 0.2495, 0.3416**, and **23.5620, 0.2333, 0.3597** is the 20% darker color. If you saturate the color by 10%, you get **47.4682, 0.2354, 0.3583**, and if you desaturate by 10%, it is **48.7132, 0.2427, 0.3507**.

Distribution



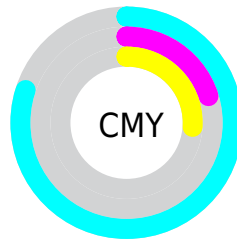
- Red (20%)
- Green (80%)
- Blue (74%)



- Red (20%)
- Yellow (52%)
- Blue (80%)



- Cyan (76%)
- Magenta (0%)
- Yellow (8%)
- Black (20%)





- Cyan (80%)
- Magenta (20%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.9716, 0.2381, 0.3545 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 47.9716, 0.2381, 0.3545 by changing the saturation by 10% instead.

 47.9716, 0.2381,
0.3545


 47.9716, 0.2381,
0.3545


378.6795, 0.2747,
0.3423


 33.8044, 0.2292,
0.3574


 87.1621, 0.2512,
0.3502

 22.7434, 0.2181,
0.3609


 112.9542, 0.2562,
0.3486


 14.4041, 0.2035,
0.3654


 143.3901, 0.2604,
0.3471

 8.4023, 0.1838,
0.3713

 178.8541, 0.2640,
0.3459

 4.3534, 0.1562,
0.3790

 219.7307, 0.2672,
0.3448

 1.8732, 0.1077,
0.3926

266.4042, 0.2700,

 0.5322, 0.0000,

0.3439

0.4061

319.2590, 0.2725,
0.3431

■ 0.0000, 0.0000,
0.0000

■ 47.9716, 0.2381,
0.3545

■ 47.9716, 0.2381,
0.3545

■ 47.4682, 0.2354,
0.3583

■ 48.7132, 0.2427,
0.3507

■ 47.1634, 0.2345,
0.3621

■ 49.7152, 0.2492,
0.3469

■ 47.0648, 0.2344,
0.3637

■ 51.0032, 0.2576,
0.3433

■ 52.5983, 0.2676,
0.3398

■ 54.5197, 0.2790,
0.3365

■ 56.7848, 0.2915,
0.3334

■ 59.4101, 0.3049,
0.3305

■ 62.4107, 0.3189,
0.3279

■ 65.8010, 0.3331,
0.3256

Harmonies

Analogous

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



47.9716, 0.2860, 0.4104



47.9716, 0.2381, 0.3545



47.9716, 0.2112, 0.2959

Triad

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



47.9716, 0.2381, 0.3545



47.9716, 0.2736, 0.2410



47.9716, 0.4274, 0.3903

Complementary

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



47.9716, 0.2381, 0.3545



15.6614, 0.5479, 0.3140

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.



47.9716, 0.4260, 0.3451



47.9716, 0.2381, 0.3545



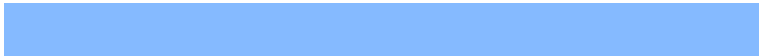
47.9716, 0.3320, 0.2637

Square

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



47.9716, 0.2381, 0.3545



47.9716, 0.2302, 0.2370



47.9716, 0.3898, 0.3005



47.9716, 0.3961, 0.4259

Rectangle

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



47.9716, 0.2381, 0.3545



47.9716, 0.2069, 0.2660



47.9716, 0.3898, 0.3005



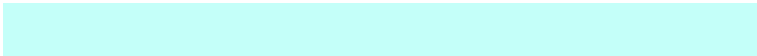
47.9716, 0.4309, 0.3757

Sweetspot

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



47.9734, 0.2381, 0.3545



90.1150, 0.2818, 0.3357



45.1264, 0.3086, 0.5617



19.0179, 0.2774, 0.3369



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.



47.9734, 0.2381, 0.3545



77.3883, 0.2346, 0.3608



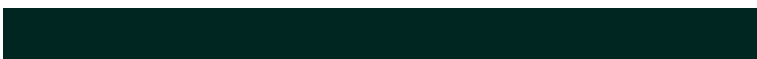
25.5091, 0.2058, 0.2328



12.7050, 0.2998, 0.3315



29.3057, 0.2342, 0.3631



1.5181, 0.2322, 0.3558

Inverse Universe

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



15.6614, 0.5479, 0.3140



22.0877, 0.6094, 0.3198



24.2295, 0.5081, 0.3938



11.2334, 0.3273, 0.3265



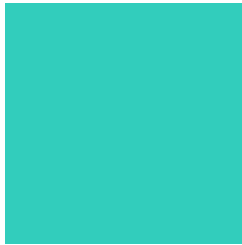
8.1243, 0.6257, 0.3221



0.4260, 0.5870, 0.3007

Previews

White Background



This preview shows how the Yxy color 47.9716, 0.2381, 0.3545 looks on a white background.

Color Contrast Check

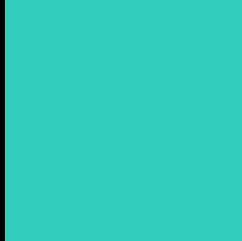
Large Text (above 18pt) WCAG AA × Fail

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 47.9716, 0.2381, 0.3545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

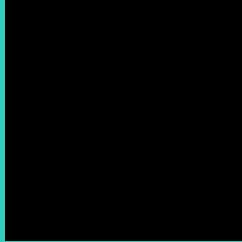
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

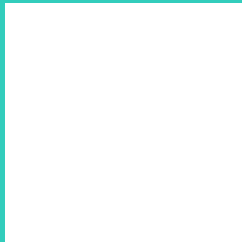
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.9716, 0.2381, 0.3545

Background



This preview shows how black text looks on a background with the Yxy color 47.9716, 0.2381, 0.3545.

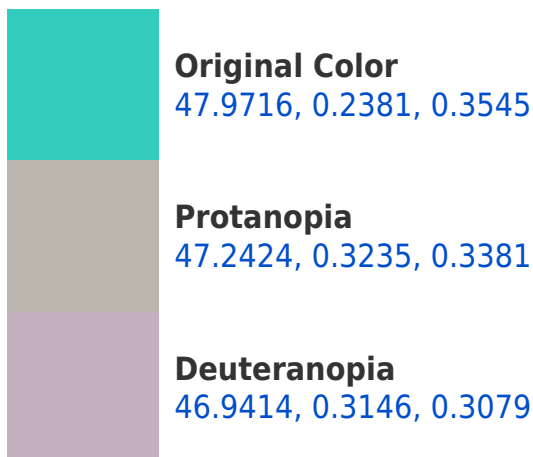


This preview shows how white text looks on a background with the Yxy color 47.9716, 0.2381, 0.3545.

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

48.0483, 0.2285, 0.3062

Trichromacy



Original Color

47.9716, 0.2381, 0.3545



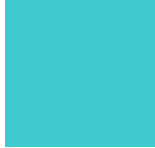
Protanomaly

45.5255, 0.2799, 0.3432



Deuteranomaly

45.0972, 0.2744, 0.3219



Tritanomaly

47.7214, 0.2318, 0.3229

Monochromacy



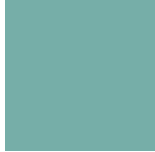
Original Color

47.9716, 0.2381, 0.3545



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.9508, 0.2717, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9716, 0.2381, 0.3545 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(50, 205, 188)` looks like.

```
.text, #text, p{  
    color:rgb(50, 205, 188)  
}
```

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(50, 205, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 205, 188) }
```

Border

The CSS property to change the border of an element to Yxy 47.9716, 0.2381, 0.3545 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(50, 205, 188) }
```

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

```
.border{ border-color:rgb(50, 205, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 205, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 205, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 205, 188);  
box-shadow:4px 4px 4px 4px rgb(50, 205,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9716, 0.2381, 0.3545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 205, 188) }
```

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

```
.background{ background-color: rgb(50, 205,  
188) }
```

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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