

Converting Colors

$Y_{xy}(47.9733, 0.2376, 0.3528)$

Have a look what the booklet for
Yxy(47.9733, 0.2376, 0.3528)
contains.

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Color

Yxy(48.0149, 0.2376, 0.3529)

Conversions

Conversions Part 1

Format	Color
Hex	32CDBD
RGB	50, 205, 189
RGB Percent	20%, 80%, 74%
CMY	0.8045, 0.1960, 0.2588
CMYK	0.76, 0.00, 0.08, 0.20
HSL	174°, 61%, 50%
HSV	174°, 76%, 80%
XYZ	32.3274, 48.0149, 55.7158
YIQ	156.8310, -87.2440, -37.8360

Conversions

Conversions Part 2

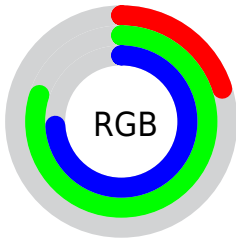
Format	Color
RYB	50, 132, 205
Decimal	3329469
CIELab	74.83, -42.51, -3.36
CIELCh	75, 42.642, 184.517
Yxy	48.0149, 0.2376, 0.3529
Android (android.graphics.Color)	4281519549 (0xFF32CDBD)
YUV	156.8310, 15.8593, -93.6908
Hunter-Lab	69.2928, -37.9862, 0.8320

Details

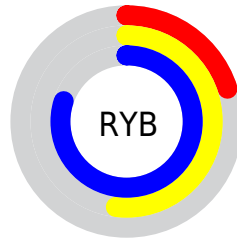
The Yxy color **48.0149, 0.2376, 0.3529** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **15.6406, 0.5498, 0.3151**, and the grayscale version is **33.5760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1775, 0.2491, 0.3404**, and **23.5903, 0.2327, 0.3576** is the 20% darker color. If you saturate the color by 10%, you get **47.5176, 0.2349, 0.3565**, and if you desaturate by 10%, it is **48.7501, 0.2422, 0.3493**.

Distribution



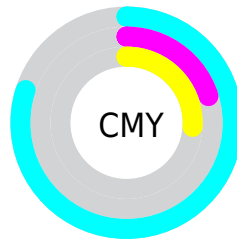
- Red (20%)
- Green (80%)
- Blue (74%)



- 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 48.0149, 0.2376, 0.3529 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 48.0149, 0.2376, 0.3529 by changing the saturation by 10% instead.

 48.0149, 0.2376,
0.3529


 48.0149, 0.2376,
0.3529


378.8512, 0.2744,
0.3416


 33.8387, 0.2287,
0.3555


 87.2266, 0.2508,
0.3489


 22.7697, 0.2175,
0.3588


 113.0309, 0.2558,
0.3474


 14.4235, 0.2029,
0.3629


 143.4799, 0.2600,
0.3461

 8.4158, 0.1832,
0.3681

 178.9582, 0.2637,
0.3449

 4.3622, 0.1555,
0.3750

 219.8501, 0.2669,
0.3439

 1.8781, 0.1077,
0.3865

266.5399, 0.2697,

 0.5352, 0.0000,

0.3431

0.3956

319.4122, 0.2722,
0.3423

0.0000, 0.0000,
0.0000

48.0149, 0.2376,
0.3529

48.0149, 0.2376,
0.3529

47.5176, 0.2349,
0.3565

48.7501, 0.2422,
0.3493

47.2186, 0.2339,
0.3600

49.7454, 0.2488,
0.3458

47.1231, 0.2337,
0.3615

51.0264, 0.2572,
0.3424

52.6142, 0.2672,
0.3391

54.5281, 0.2787,
0.3360

■ 56.7854, 0.2913,
0.3331

■ 59.4027, 0.3048,
0.3304

■ 62.3950, 0.3188,
0.3280

■ 65.7769, 0.3332,
0.3258

Harmonies

Analogous

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



48.0149, 0.2849, 0.4088



48.0149, 0.2376, 0.3529



48.0149, 0.2114, 0.2949

Triad

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



48.0149, 0.2376, 0.3529



48.0149, 0.2750, 0.2418



48.0149, 0.4264, 0.3910

Complementary

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



48.0149, 0.2376, 0.3529



15.6406, 0.5498, 0.3151

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.



48.0149, 0.4258, 0.3462



48.0149, 0.2376, 0.3529



48.0149, 0.3334, 0.2647

Square

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



48.0149, 0.2376, 0.3529



48.0149, 0.2315, 0.2374



48.0149, 0.3906, 0.3016



48.0149, 0.3946, 0.4260

Rectangle

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



48.0149, 0.2376, 0.3529



48.0149, 0.2074, 0.2655



48.0149, 0.3906, 0.3016



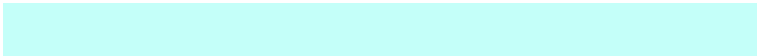
48.0149, 0.4302, 0.3766

Sweetspot

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



48.0167, 0.2376, 0.3529



90.1394, 0.2816, 0.3353



45.1239, 0.3086, 0.5618



19.0239, 0.2772, 0.3364



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.



48.0167, 0.2376, 0.3529



77.4755, 0.2340, 0.3587



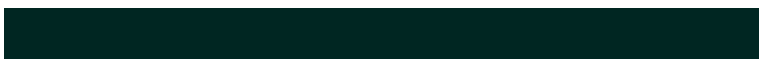
25.4965, 0.2057, 0.2328



12.7063, 0.2997, 0.3314



29.3408, 0.2336, 0.3610



1.5195, 0.2317, 0.3541

Inverse Universe

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



15.6406, 0.5498, 0.3151



22.0750, 0.6108, 0.3206



24.2171, 0.5082, 0.3938



11.2322, 0.3274, 0.3266



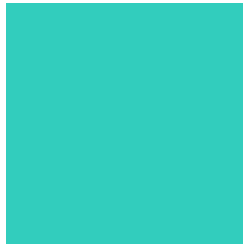
8.1207, 0.6269, 0.3227



0.4255, 0.5899, 0.3023

Previews

White Background



This preview shows how the Yxy color 48.0149, 0.2376, 0.3529 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 48.0149, 0.2376, 0.3529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

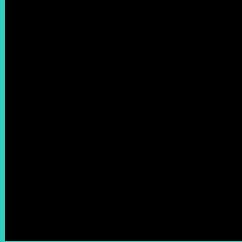
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

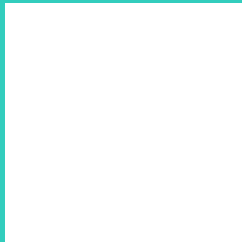
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.0149, 0.2376, 0.3529

Background



This preview shows how black text looks on a background with the Yxy color 48.0149, 0.2376, 0.3529.

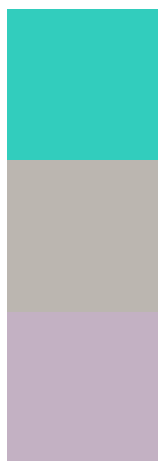


This preview shows how white text looks on a background with the Yxy color 48.0149, 0.2376, 0.3529.

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

48.0149, 0.2376, 0.3529

Protanopia

47.1553, 0.3218, 0.3368

Deuteranopia

46.9865, 0.3138, 0.3066



Tritanopia

48.0120, 0.2282, 0.3061

Trichromacy



Original Color

48.0149, 0.2376, 0.3529



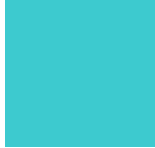
Protanomaly

45.4815, 0.2785, 0.3417



Deuteranomaly

45.1417, 0.2738, 0.3205



Tritanomaly

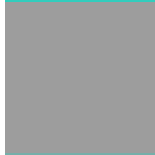
47.7382, 0.2311, 0.3215

Monochromacy



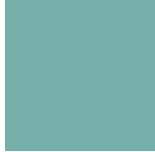
Original Color

48.0149, 0.2376, 0.3529



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.9882, 0.2710, 0.3367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0149, 0.2376, 0.3529 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, 189)` looks like.

```
.text, #text, p{  
  color:rgb(50, 205, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 205, 189) }
```

Border

The CSS property to change the border of an element to Yxy 48.0149, 0.2376, 0.3529 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, 189) }
```

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

```
.border{ border-color:rgb(50, 205, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 205, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 205, 189);  
box-shadow:4px 4px 4px 4px rgb(50, 205,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0149, 0.2376, 0.3529 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, 189) }
```

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

```
.background{ background-color: rgb(50, 205,  
189) }
```

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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