

Converting Colors

$Y_{xy}(46.1658, 0.2357, 0.3527)$

Have a look what the booklet for
Yxy(46.1658, 0.2357, 0.3527)
contains.

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Color

Yxy(46.2373, 0.2358, 0.3534)

Conversions

Conversions Part 1

Format	Color
Hex	28CABA
RGB	40, 202, 186
RGB Percent	16%, 79%, 73%
CMY	0.8440, 0.2078, 0.2706
CMYK	0.80, 0.00, 0.08, 0.21
HSL	174°, 67%, 47%
HSV	174°, 80%, 79%
XYZ	30.8510, 46.2373, 53.7473
YIQ	151.7380, -91.4160, -39.3200

Conversions

Conversions Part 2

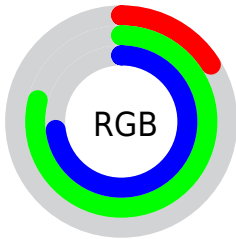
Format	Color
RYB	40, 125, 202
Decimal	2673338
CIELab	73.70, -43.01, -3.41
CIElCh	74, 43.148, 184.531
Yxy	46.2373, 0.2358, 0.3534
Android (android.graphics.Color)	4280863418 (0xFF28CABA)
YUV	151.7380, 16.8912, -97.9942
Hunter-Lab	67.9980, -38.0102, 0.7344

Details

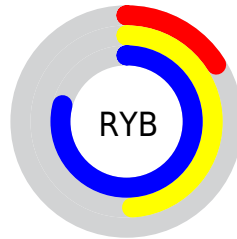
The Yxy color **46.2373, 0.2358, 0.3534** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **14.3451, 0.5701, 0.3167**, and the grayscale version is **31.2095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5756, 0.2483, 0.3441**, and **22.5609, 0.2328, 0.3581** is the 20% darker color. If you saturate the color by 10%, you get **45.8524, 0.2339, 0.3568**, and if you desaturate by 10%, it is **46.8379, 0.2396, 0.3500**.

Distribution



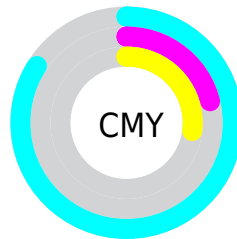
- Red (16%)
- Green (79%)
- Blue (73%)



- Red (16%)
- Yellow (49%)
- Blue (79%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (21%)




- Cyan (84%)
- Magenta (21%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2373, 0.2358, 0.3534 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 46.2373, 0.2358, 0.3534 by changing the saturation by 10% instead.


 46.2373, 0.2358,
0.3534

 46.2373, 0.2358,
0.3534


371.7619, 0.2737,
0.3418

 32.4331, 0.2266,
0.3561


 84.5740, 0.2494,
0.3493


 21.6925, 0.2149,
0.3595


 109.8754, 0.2546,
0.3477


 13.6312, 0.1997,
0.3637


 139.7779, 0.2589,
0.3464

 7.8646, 0.1791,
0.3691

 174.6660, 0.2627,
0.3452

 4.0084, 0.1500,
0.3761

 214.9240, 0.2660,
0.3442

 1.6783, 0.0913,
0.3915

260.9364, 0.2689,

 0.4095, 0.0000,

0.3433

0.3744

313.0876, 0.2714,
0.3425

■ 0.0000, 0.0000,
0.0000

■ 46.2373, 0.2358,
0.3534

■ 46.2373, 0.2358,
0.3534

■ 45.8524, 0.2339,
0.3568

■ 46.8379, 0.2396,
0.3500

■ 45.6275, 0.2333,
0.3600

■ 47.6779, 0.2453,
0.3466

■ 48.7837, 0.2529,
0.3433

■ 50.1765, 0.2622,
0.3401

■ 51.8758, 0.2731,
0.3371

■ 53.8991, 0.2853,
0.3342

■ 56.2627, 0.2984,
0.3315

■ 58.9817, 0.3123,
0.3291

■ 62.0704, 0.3266,
0.3269

Harmonies

Analogous

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



46.2373, 0.2840, 0.4110



46.2373, 0.2358, 0.3534



46.2373, 0.2091, 0.2938

Triad

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



46.2373, 0.2358, 0.3534



46.2373, 0.2741, 0.2399



46.2373, 0.4290, 0.3922

Complementary

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



46.2373, 0.2358, 0.3534



14.3451, 0.5701, 0.3167

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.



46.2373, 0.4286, 0.3464



46.2373, 0.2358, 0.3534



46.2373, 0.3338, 0.2633

Square

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



46.2373, 0.2358, 0.3534



46.2373, 0.2296, 0.2353



46.2373, 0.3925, 0.3010



46.2373, 0.3964, 0.4282

Rectangle

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



46.2373, 0.2358, 0.3534



46.2373, 0.2052, 0.2639



46.2373, 0.3925, 0.3010



46.2373, 0.4330, 0.3774

Sweetspot

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



46.2391, 0.2358, 0.3534



89.7997, 0.2802, 0.3353



43.2401, 0.3065, 0.5728



18.9597, 0.2759, 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.



46.2391, 0.2358, 0.3534



77.3453, 0.2335, 0.3591



22.6375, 0.2003, 0.2213



12.7072, 0.2996, 0.3313



29.3637, 0.2332, 0.3596



1.5205, 0.2314, 0.3530

Inverse Universe

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



14.3451, 0.5701, 0.3167



21.5991, 0.6238, 0.3235



22.7473, 0.5192, 0.3969



11.2314, 0.3275, 0.3267



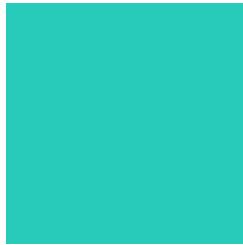
8.1185, 0.6276, 0.3231



0.4251, 0.5918, 0.3034

Previews

White Background



This preview shows how the Yxy color 46.2373, 0.2358, 0.3534 looks on a white background.

Color Contrast Check

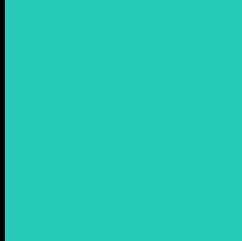
Large Text (above 18pt) WCAG AA × Fail

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 46.2373, 0.2358, 0.3534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

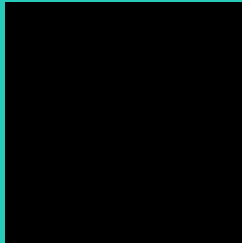
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

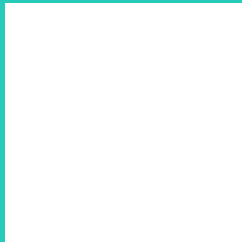
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.2373, 0.2358, 0.3534

Background



This preview shows how black text looks on a background with the Yxy color 46.2373, 0.2358, 0.3534.

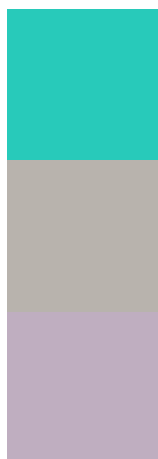


This preview shows how white text looks on a background with the Yxy color 46.2373, 0.2358, 0.3534.

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

46.2373, 0.2358, 0.3534

Protanopia

45.4477, 0.3220, 0.3369

Deuteranopia

45.1542, 0.3129, 0.3062



Tritanopia

46.2353, 0.2265, 0.3057

Trichromacy



Original Color

46.2373, 0.2358, 0.3534



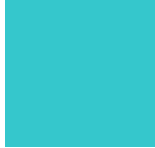
Protanomaly

43.6605, 0.2767, 0.3420



Deuteranomaly

43.2329, 0.2711, 0.3204



Tritanomaly

45.9634, 0.2293, 0.3214

Monochromacy



Original Color

46.2373, 0.2358, 0.3534



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

34.8093, 0.2687, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2373, 0.2358, 0.3534 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(40, 202, 186)` looks like.

```
.text, #text, p{  
    color:rgb(40, 202, 186)  
}
```

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(40, 202, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 202, 186) }
```

Border

The CSS property to change the border of an element to Yxy 46.2373, 0.2358, 0.3534 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(40, 202, 186) }
```

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

```
.border{ border-color:rgb(40, 202, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 202, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 202, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 202, 186);  
box-shadow:4px 4px 4px 4px rgb(40, 202,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2373, 0.2358, 0.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 202, 186) }
```

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

```
.background{ background-color: rgb(40, 202,  
186) }
```

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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