

Converting Colors

$Y_{xy}(46.5850, 0.2396, 0.3494)$

Have a look what the booklet for
Yxy(46.5850, 0.2396, 0.3494)
contains.

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Color

Yxy(46.3648, 0.2392, 0.3485)

Conversions

Conversions Part 1

Format	Color
Hex	3CC9BC
RGB	60, 201, 188
RGB Percent	24%, 79%, 74%
CMY	0.7651, 0.2117, 0.2627
CMYK	0.70, 0.00, 0.06, 0.21
HSL	174°, 57%, 51%
HSV	174°, 70%, 79%
XYZ	31.8234, 46.3648, 54.8528
YIQ	157.3590, -79.8630, -33.9350

Conversions

Conversions Part 2

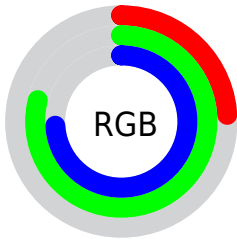
Format	Color
RYB	60, 134, 201
Decimal	3983804
CIELab	73.78, -39.80, -4.34
CIElCh	74, 40.032, 186.228
Yxy	46.3648, 0.2392, 0.3485
Android (android.graphics.Color)	4282173884 (0xFF3CC9BC)
YUV	157.3590, 15.1060, -85.3838
Hunter-Lab	68.0917, -35.7365, -0.0982

Details

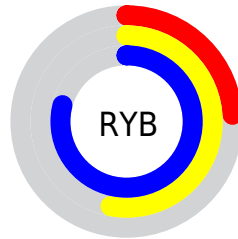
The Yxy color **46.3648, 0.2392, 0.3485** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **16.1209, 0.5274, 0.3161**, and the grayscale version is **33.8344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5637, 0.2517, 0.3416**, and **22.3070, 0.2311, 0.3518** is the 20% darker color. If you saturate the color by 10%, you get **45.7766, 0.2353, 0.3517**, and if you desaturate by 10%, it is **47.1951, 0.2450, 0.3454**.

Distribution



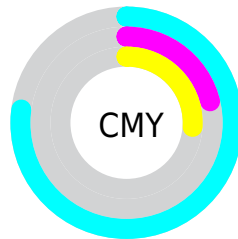
- Red (24%)
- Green (79%)
- Blue (74%)



- Red (24%)
- Yellow (53%)
- Blue (79%)



- Cyan (70%)
- Magenta (0%)
- Yellow (6%)
- Black (21%)





- Cyan (77%)
- Magenta (21%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3648, 0.2392, 0.3485 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 46.3648, 0.2392, 0.3485 by changing the saturation by 10% instead.


 46.3648, 0.2392,
0.3485


 46.3648, 0.2392,
0.3485

372.2733, 0.2754,
0.3394

 32.5338, 0.2304,
0.3506


 84.7647, 0.2522,
0.3453


 21.7695, 0.2193,
0.3531


 110.1024, 0.2571,
0.3441


 13.6877, 0.2047,
0.3563

 140.0444, 0.2613,
0.3430

 7.9037, 0.1850,
0.3602

 174.9751, 0.2649,
0.3421

 4.0334, 0.1571,
0.3650

 215.2790, 0.2680,
0.3413

 1.6923, 0.1059,
0.3743

261.3404, 0.2708,

 0.4186, 0.0000,

0.3406

0.3554

313.5437, 0.2732,
0.3399

0.0000, 0.0000,
0.0000

46.3648, 0.2392,
0.3485

46.3648, 0.2392,
0.3485

45.7766, 0.2353,
0.3517

47.1951, 0.2450,
0.3454

45.3967, 0.2333,
0.3548

48.2862, 0.2526,
0.3423

45.1752, 0.2327,
0.3578

49.6613, 0.2620,
0.3393

51.3392, 0.2730,
0.3365

53.3374, 0.2852,
0.3338

■ 55.6719, 0.2985,
0.3313

■ 58.3576, 0.3124,
0.3290

■ 61.4087, 0.3268,
0.3270

■ 64.8384, 0.3414,
0.3252

Harmonies

Analogous

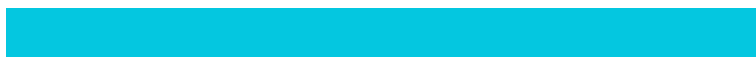
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.3648, 0.2835, 0.4020



46.3648, 0.2392, 0.3485



46.3648, 0.2152, 0.2941

Triad

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



46.3648, 0.2392, 0.3485



46.3648, 0.2799, 0.2464



46.3648, 0.4199, 0.3908

Complementary

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



46.3648, 0.2392, 0.3485



16.1209, 0.5274, 0.3161

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.



46.3648, 0.4211, 0.3483



46.3648, 0.2392, 0.3485



46.3648, 0.3358, 0.2693

Square

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



46.3648, 0.2392, 0.3485



46.3648, 0.2371, 0.2412



46.3648, 0.3893, 0.3054



46.3648, 0.3885, 0.4228

Rectangle

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



46.3648, 0.2392, 0.3485



46.3648, 0.2123, 0.2668



46.3648, 0.3893, 0.3054



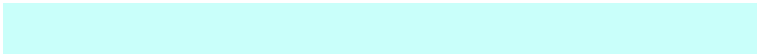
46.3648, 0.4240, 0.3772

Sweetspot

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



46.3666, 0.2392, 0.3485



90.9062, 0.2838, 0.3341



43.5594, 0.3087, 0.5482



19.2442, 0.2803, 0.3348



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.



46.3666, 0.2392, 0.3485



78.0007, 0.2341, 0.3532



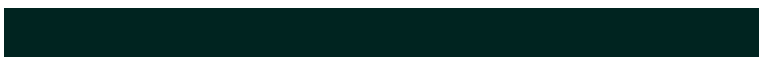
25.2947, 0.2105, 0.2370



12.0501, 0.2996, 0.3311



28.4087, 0.2326, 0.3574



1.3502, 0.2308, 0.3509

Inverse Universe

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



16.1209, 0.5274, 0.3161



23.1640, 0.5904, 0.3191



25.3155, 0.4873, 0.3955



10.6525, 0.3275, 0.3269



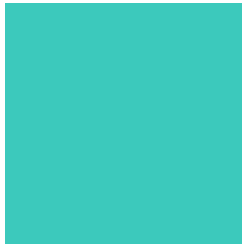
7.8423, 0.6284, 0.3235



0.3769, 0.5926, 0.3038

Previews

White Background



This preview shows how the Yxy color 46.3648, 0.2392, 0.3485 looks on a white background.

Color Contrast Check

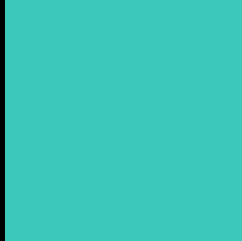
Large Text (above 18pt) WCAG AA × Fail

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 46.3648, 0.2392, 0.3485 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

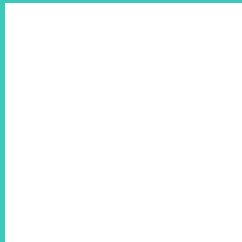
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3648, 0.2392, 0.3485

Background



This preview shows how black text looks on a background with the Yxy color 46.3648, 0.2392, 0.3485.

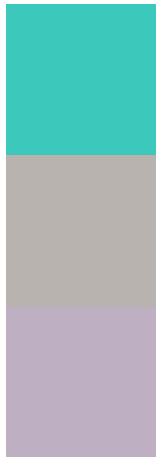


This preview shows how white text looks on a background with the Yxy color 46.3648, 0.2392, 0.3485.

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

46.3648, 0.2392, 0.3485

Protanopia

45.5257, 0.3203, 0.3343

Deuteranopia

45.6314, 0.3112, 0.3051



Tritanopia

46.1924, 0.2304, 0.3059

Trichromacy



Original Color

46.3648, 0.2392, 0.3485



Protanomaly

44.3249, 0.2803, 0.3389



Deuteranomaly

43.9264, 0.2747, 0.3177



Tritanomaly

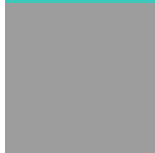
46.0130, 0.2333, 0.3200

Monochromacy



Original Color

46.3648, 0.2392, 0.3485



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.8519, 0.2744, 0.3367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3648, 0.2392, 0.3485 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(60, 201, 188)` looks like.

```
.text, #text, p{  
    color:rgb(60, 201, 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(60, 201, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 201, 188) }
```

Border

The CSS property to change the border of an element to Yxy 46.3648, 0.2392, 0.3485 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(60, 201, 188) }
```

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

```
.border{ border-color:rgb(60, 201, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 201, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 201, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 201, 188);  
box-shadow:4px 4px 4px 4px rgb(60, 201,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3648, 0.2392, 0.3485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 201, 188) }
```

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

```
.background{ background-color: rgb(60, 201,  
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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