

Converting Colors

$Y_{xy}(46.9025, 0.2337, 0.3561)$

Have a look what the booklet for
Yxy(46.9025, 0.2337, 0.3561)
contains.

Yxy(46.8796, 0.2338, 0.3565)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.8796, 0.2338, 0.3565)

Conversions

Conversions Part 1

Format	Color
Hex	14CCBA
RGB	20, 204, 186
RGB Percent	8%, 80%, 73%
CMY	0.9211, 0.2000, 0.2706
CMYK	0.90, 0.00, 0.09, 0.20
HSL	174°, 82%, 44%
HSV	174°, 90%, 80%
XYZ	30.7446, 46.8796, 53.8754
YIQ	146.9320, -103.8860, -44.6060

Conversions

Conversions Part 2

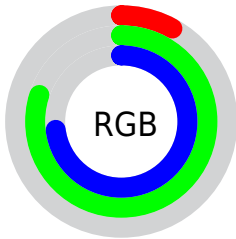
Format	Color
RYB	20, 117, 204
Decimal	1363130
CIELab	74.11, -45.19, -2.82
CIELCh	74, 45.279, 183.572
Yxy	46.8796, 0.2338, 0.3565
Android (android.graphics.Color)	4279553210 (0xFF14CCBA)
YUV	146.9320, 19.2605, -111.3194
Hunter-Lab	68.4687, -39.6680, 1.2750

Details

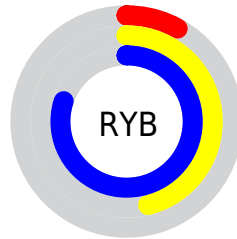
The Yxy color **46.8796, 0.2338, 0.3565** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **13.4829, 0.6060, 0.3203**, and the grayscale version is **29.1142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1190, 0.2460, 0.3442**, and **23.1883, 0.2339, 0.3621** is the 20% darker color. If you saturate the color by 10%, you get **46.6482, 0.2333, 0.3598**, and if you desaturate by 10%, it is **47.2786, 0.2358, 0.3532**.

Distribution



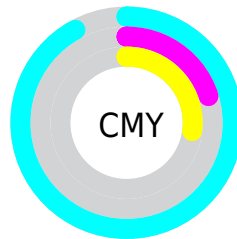
- Red (8%)
- Green (80%)
- Blue (73%)



- Red (8%)
- Yellow (46%)
- Blue (80%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (20%)




- Cyan (92%)
- Magenta (20%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8796, 0.2338, 0.3565 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 46.8796, 0.2338, 0.3565 by changing the saturation by 10% instead.


 46.8796, 0.2338,
0.3565


 46.8796, 0.2338,
0.3565


374.3337, 0.2726,
0.3433


 32.9405, 0.2244,
0.3596


 85.5339, 0.2477,
0.3519


 22.0809, 0.2125,
0.3634


 111.0178, 0.2530,
0.3501

 13.9163, 0.1970,
0.3683


 141.1188, 0.2575,
0.3485

 8.0625, 0.1761,
0.3747

 176.2213, 0.2613,
0.3472

 4.1350, 0.1467,
0.3831

 216.7097, 0.2647,
0.3461

 1.7493, 0.0875,
0.4009

262.9682, 0.2676,

 0.4553, 0.0000,

0.3450

0.3965

315.3815, 0.2703,
0.3441

■ 0.0000, 0.0000,
0.0000

■ 46.8796, 0.2338,
0.3565

■ 46.8796, 0.2338,
0.3565

■ 46.6482, 0.2333,
0.3598

■ 47.2786, 0.2358,
0.3532

■ 47.8933, 0.2396,
0.3498

■ 48.7552, 0.2453,
0.3464

■ 49.8894, 0.2530,
0.3432

■ 51.3176, 0.2623,
0.3400

■ 53.0598, 0.2732,
0.3369

■ 55.1338, 0.2854,
0.3341

■ 57.5564, 0.2986,
0.3314

■ 60.3429, 0.3125,
0.3290

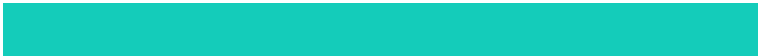
Harmonies

Analogous

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



46.8796, 0.2844, 0.4166



46.8796, 0.2338, 0.3565



46.8796, 0.2055, 0.2938

Triad

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



46.8796, 0.2338, 0.3565



46.8796, 0.2706, 0.2360



46.8796, 0.4345, 0.3928

Complementary

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



46.8796, 0.2338, 0.3565



13.4829, 0.6060, 0.3203

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.



46.8796, 0.4331, 0.3451



46.8796, 0.2338, 0.3565



46.8796, 0.3325, 0.2597

Square

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



46.8796, 0.2338, 0.3565



46.8796, 0.2252, 0.2318



46.8796, 0.3944, 0.2982



46.8796, 0.4011, 0.4314

Rectangle

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



46.8796, 0.2338, 0.3565



46.8796, 0.2009, 0.2621



46.8796, 0.3944, 0.2982



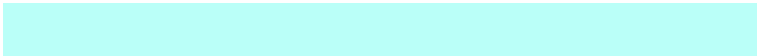
46.8796, 0.4384, 0.3773

Sweetspot

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



46.8814, 0.2338, 0.3565



88.7711, 0.2765, 0.3361



43.6594, 0.3041, 0.5892



18.7627, 0.2725, 0.3371



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.



46.8814, 0.2338, 0.3565



77.2343, 0.2334, 0.3602



20.5945, 0.1925, 0.2061



12.7074, 0.2996, 0.3313



29.3680, 0.2331, 0.3593



1.5207, 0.2313, 0.3528

Inverse Universe

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



13.4829, 0.6060, 0.3203



21.3301, 0.6313, 0.3252



20.8357, 0.5472, 0.3931



11.2312, 0.3275, 0.3268



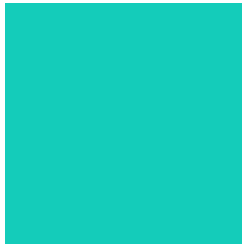
8.1181, 0.6277, 0.3231



0.4250, 0.5922, 0.3036

Previews

White Background



This preview shows how the Yxy color 46.8796, 0.2338, 0.3565 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 46.8796, 0.2338, 0.3565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

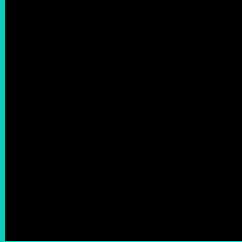
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

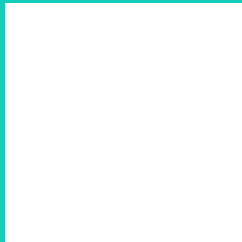
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8796, 0.2338, 0.3565

Background



This preview shows how black text looks on a background with the Yxy color 46.8796, 0.2338, 0.3565.

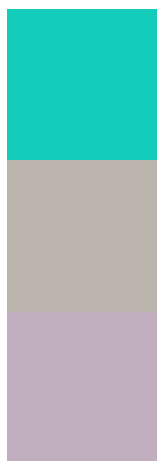


This preview shows how white text looks on a background with the Yxy color 46.8796, 0.2338, 0.3565.

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

46.8796, 0.2338, 0.3565

Protanopia

46.0602, 0.3244, 0.3395

Deuteranopia

45.8032, 0.3146, 0.3076



Tritanopia

47.0233, 0.2245, 0.3058

Trichromacy



Original Color

46.8796, 0.2338, 0.3565



Protanomaly

44.0051, 0.2735, 0.3465



Deuteranomaly

43.5813, 0.2674, 0.3231



Tritanomaly

46.6525, 0.2271, 0.3228

Monochromacy



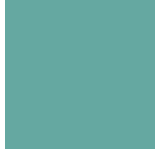
Original Color

46.8796, 0.2338, 0.3565



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

33.3452, 0.2634, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8796, 0.2338, 0.3565 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(20, 204, 186)` looks like.

```
.text, #text, p{  
    color:rgb(20, 204, 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(20, 204, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 204, 186) }
```

Border

The CSS property to change the border of an element to Yxy 46.8796, 0.2338, 0.3565 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(20, 204, 186) }
```

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

```
.border{ border-color:rgb(20, 204, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 204, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 204, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 204, 186);  
box-shadow:4px 4px 4px 4px rgb(20, 204,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8796, 0.2338, 0.3565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 204, 186) }
```

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

```
.background{ background-color: rgb(20, 204,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor