

Converting Colors

$Y_{xy}(46.1990, 0.2275, 0.3390)$

Have a look what the booklet for
Yxy(46.1990, 0.2275, 0.3390)
contains.

Yxy(46.1812, 0.2276, 0.3394)	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(46.1812, 0.2276, 0.3394)

Conversions

Conversions Part 1

Format	Color
Hex	00CAC3
RGB	0, 202, 195
RGB Percent	0%, 79%, 76%
CMY	1.0000, 0.2078, 0.2353
CMYK	1.00, 0.00, 0.03, 0.21
HSL	178°, 100%, 40%
HSV	178°, 100%, 79%
XYZ	30.9689, 46.1812, 58.9171
YIQ	140.8040, -118.1450, -45.0010

Conversions

Conversions Part 2

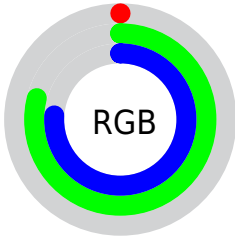
Format	Color
RYB	0, 103, 202
Decimal	51907
CIELab	73.66, -42.42, -8.38
CIELCh	74, 43.240, 191.181
Yxy	46.1812, 0.2276, 0.3394
Android (android.graphics.Color)	4278241987 (0xFF00CAC3)
YUV	140.8040, 26.7186, -123.4851
Hunter-Lab	67.9568, -37.5792, -3.8335

Details

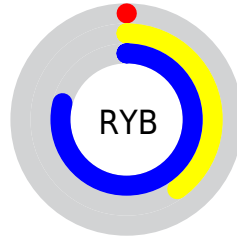
The Yxy color **46.1812, 0.2276, 0.3394** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **12.5728, 0.6368, 0.3282**, and the grayscale version is **26.4853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4883, 0.2414, 0.3335**, and **22.7905, 0.2281, 0.3410** is the 20% darker color. If you saturate the color by 10%, you get **46.1846, 0.2276, 0.3394**, and if you desaturate by 10%, it is **46.3672, 0.2287, 0.3383**.

Distribution



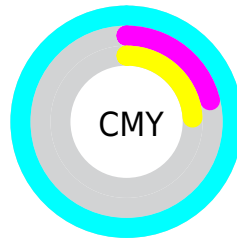
- Red (0%)
- Green (79%)
- Blue (76%)



- Red (0%)
- Yellow (40%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (21%)





- Cyan (100%)
- Magenta (21%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1812, 0.2276, 0.3394 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 46.1812, 0.2276, 0.3394 by changing the saturation by 10% instead.


 46.1812, 0.2276,
0.3394

 46.1812, 0.2276,
0.3394


371.5367, 0.2691,
0.3353


 32.3888, 0.2176,
0.3401

 84.4901, 0.2424,
0.3382


 21.6587, 0.2051,
0.3407

 109.7755, 0.2481,
0.3376


 13.6063, 0.1888,
0.3412


 139.6606, 0.2529,
0.3371

 7.8474, 0.1672,
0.3412

 174.5299, 0.2570,
0.3367

 3.9974, 0.1372,
0.3396

 214.7677, 0.2606,
0.3363

 1.6721, 0.0813,
0.3381

260.7585, 0.2638,

 0.4055, 0.0000,

0.3359

0.2827

312.8867, 0.2666,
0.3356

■ 0.0000, 0.0000,
0.0000

■ 46.1812, 0.2276,
0.3394

■ 46.1812, 0.2276,
0.3394

■ 46.1846, 0.2276,
0.3394

■ 46.3672, 0.2287,
0.3383

■ 46.7074, 0.2312,
0.3372

■ 47.2598, 0.2354,
0.3360

■ 48.0530, 0.2416,
0.3349

■ 49.1116, 0.2497,
0.3338

■ 50.4569, 0.2596,
0.3327

■ 52.1081, 0.2711,
0.3317

■ 54.0827, 0.2840,
0.3307

■ 56.3969, 0.2979,
0.3298

Harmonies

Analogous

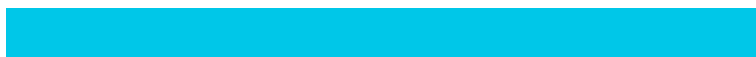
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.1812, 0.2718, 0.4001



46.1812, 0.2276, 0.3394



46.1812, 0.2063, 0.2826

Triad

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



46.1812, 0.2276, 0.3394



46.1812, 0.2864, 0.2434



46.1812, 0.4246, 0.4016

Complementary

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



46.1812, 0.2276, 0.3394



12.5728, 0.6368, 0.3282

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.



46.1812, 0.4322, 0.3568



46.1812, 0.2276, 0.3394



46.1812, 0.3478, 0.2705

Square

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



46.1812, 0.2276, 0.3394



46.1812, 0.2375, 0.2343



46.1812, 0.4034, 0.3105



46.1812, 0.3859, 0.4337

Rectangle

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



46.1812, 0.2276, 0.3394



46.1812, 0.2060, 0.2560



46.1812, 0.4034, 0.3105



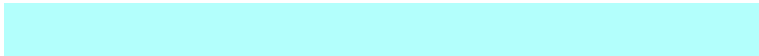
46.1812, 0.4311, 0.3874

Sweetspot

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



46.1846, 0.2276, 0.3394



88.0948, 0.2706, 0.3317



42.3092, 0.3010, 0.5992



18.5882, 0.2655, 0.3322



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.



46.1846, 0.2276, 0.3394



78.1842, 0.2277, 0.3395



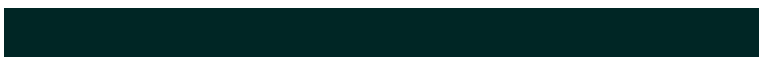
15.6560, 0.1816, 0.1739



12.7201, 0.2988, 0.3298



29.7201, 0.2276, 0.3393



1.5354, 0.2270, 0.3371

Inverse Universe

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



12.5728, 0.6368, 0.3282



21.2794, 0.6376, 0.3286



20.0230, 0.5563, 0.3965



11.2199, 0.3285, 0.3282



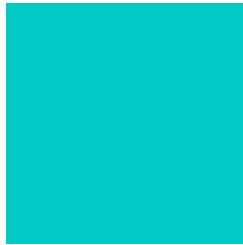
8.0926, 0.6359, 0.3277



0.4197, 0.6220, 0.3200

Previews

White Background



This preview shows how the Yxy color 46.1812, 0.2276, 0.3394 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 46.1812, 0.2276, 0.3394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

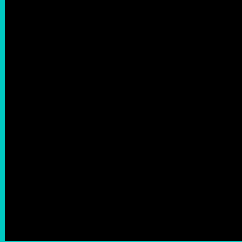
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

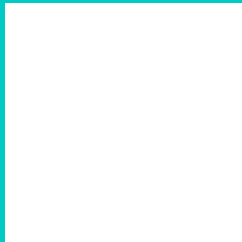
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.1812, 0.2276, 0.3394

Background



This preview shows how black text looks on a background with the Yxy color 46.1812, 0.2276, 0.3394.

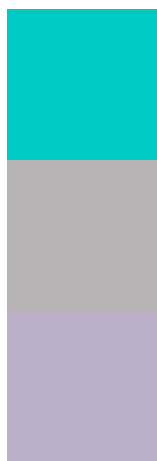


This preview shows how white text looks on a background with the Yxy color 46.1812, 0.2276, 0.3394.

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

46.1812, 0.2276, 0.3394

Protanopia

45.5215, 0.3137, 0.3264

Deuteranopia

45.4418, 0.3023, 0.2962



Tritanopia

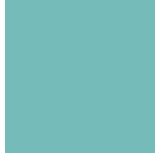
46.2667, 0.2225, 0.3056

Trichromacy



Original Color

46.1812, 0.2276, 0.3394



Protanomaly

42.7988, 0.2611, 0.3303



Deuteranomaly

42.7434, 0.2547, 0.3088



Tritanomaly

46.0956, 0.2234, 0.3169

Monochromacy



Original Color

46.1812, 0.2276, 0.3394



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

30.9413, 0.2550, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1812, 0.2276, 0.3394 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(0, 202, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 195)  
}
```

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(0, 202, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 195) }
```

Border

The CSS property to change the border of an element to Yxy 46.1812, 0.2276, 0.3394 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(0, 202, 195) }
```

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

```
.border{ border-color:rgb(0, 202, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 202, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1812, 0.2276, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 202, 195) }
```

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

```
.background{ background-color: rgb(0, 202,  
195) }
```

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