

Converting Colors

$Y_{xy}(49.4611, 0.2282, 0.3383)$

Have a look what the booklet for
Yxy(49.4611, 0.2282, 0.3383)
contains.

Yxy(49.4776, 0.2280, 0.3376)	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(49.4776, 0.2280, 0.3376)

Conversions

Conversions Part 1

Format	Color
Hex	0FD0CA
RGB	15, 208, 202
RGB Percent	6%, 82%, 79%
CMY	0.9405, 0.1843, 0.2078
CMYK	0.93, 0.00, 0.03, 0.18
HSL	178°, 86%, 44%
HSV	178°, 93%, 82%
XYZ	33.4150, 49.4776, 63.6643
YIQ	149.6090, -113.1020, -42.7820

Conversions

Conversions Part 2

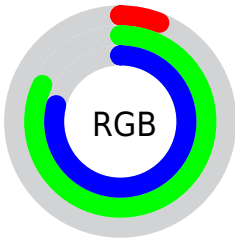
Format	Color
R _{YB}	15, 113, 208
Decimal	1036490
CIE Lab	75.75, -42.57, -9.06
CIE LCh	76, 43.527, 192.007
Yxy	49.4776, 0.2280, 0.3376
Android (android.graphics.Color)	4279226570 (0xFF0FD0CA)
YUV	149.6090, 25.8288, -118.0521
Hunter-Lab	70.3403, -38.2996, -4.4246

Details

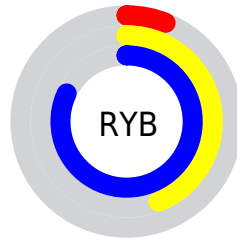
The Yxy color **49.4776, 0.2280, 0.3376** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **13.8114, 0.6248, 0.3278**, and the grayscale version is **30.2727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **24.9206, 0.2274, 0.3386** is the 20% darker color. If you saturate the color by 10%, you get **49.3541, 0.2273, 0.3383**, and if you desaturate by 10%, it is **49.7818, 0.2300, 0.3366**.

Distribution



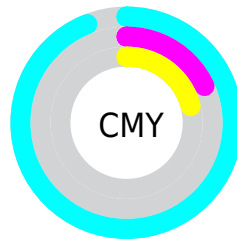
- Red (6%)
- Green (82%)
- Blue (79%)



- Red (6%)
- Yellow (44%)
- Blue (82%)



- Cyan (93%)
- Magenta (0%)
- Yellow (3%)
- Black (18%)




- Cyan (94%)
- Magenta (18%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4776, 0.2280, 0.3376 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 49.4776, 0.2280, 0.3376 by changing the saturation by 10% instead.


 49.4776, 0.2280,
0.3376

 49.4776, 0.2280,
0.3376


384.6195, 0.2688,
0.3345

 34.9985, 0.2183,
0.3380


 89.4004, 0.2425,
0.3367


 23.6617, 0.2062,
0.3384


 115.6128, 0.2480,
0.3363

 15.0829, 0.1907,
0.3385

 146.5052, 0.2527,
0.3360

 8.8776, 0.1702,
0.3380

 182.4619, 0.2568,
0.3356

 4.6614, 0.1421,
0.3360

 223.8673, 0.2604,
0.3353

 2.0500, 0.0996,
0.3306

271.1057, 0.2636,

 0.6363, 0.0000,

0.3350

0.3167

324.5617, 0.2664,
0.3347

■ 0.0000, 0.0000,
0.0000

■ 49.4776, 0.2280,
0.3376

■ 49.4776, 0.2280,
0.3376

■ 49.3541, 0.2273,
0.3383

■ 49.7818, 0.2300,
0.3366

■ 50.3012, 0.2338,
0.3356

■ 51.0708, 0.2395,
0.3346

■ 52.1176, 0.2471,
0.3336

■ 53.4656, 0.2565,
0.3326

■ 55.1359, 0.2676,
0.3317

■ 57.1479, 0.2802,
0.3308

■ 59.5192, 0.2940,
0.3299

■ 62.2665, 0.3086,
0.3292

Harmonies

Analogous

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



49.4776, 0.2711, 0.3974



49.4776, 0.2280, 0.3376



49.4776, 0.2076, 0.2822

Triad

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



49.4776, 0.2280, 0.3376



49.4776, 0.2884, 0.2452



49.4776, 0.4222, 0.4018

Complementary

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



49.4776, 0.2280, 0.3376



13.8114, 0.6248, 0.3278

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.



49.4776, 0.4306, 0.3578



49.4776, 0.2280, 0.3376



49.4776, 0.3489, 0.2723

Square

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



49.4776, 0.2280, 0.3376



49.4776, 0.2397, 0.2357



49.4776, 0.4031, 0.3121



49.4776, 0.3835, 0.4326

Rectangle

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



49.4776, 0.2280, 0.3376



49.4776, 0.2078, 0.2563



49.4776, 0.4031, 0.3121



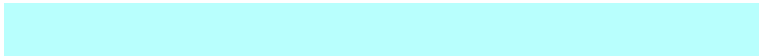
49.4776, 0.4288, 0.3879

Sweetspot

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



49.4795, 0.2280, 0.3376



88.7387, 0.2730, 0.3313



45.3133, 0.3011, 0.5941



18.7102, 0.2676, 0.3317



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.



49.4795, 0.2280, 0.3376



78.2392, 0.2274, 0.3384



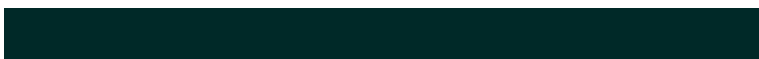
17.6174, 0.1847, 0.1801



13.4005, 0.2987, 0.3297



30.7627, 0.2273, 0.3382



1.7221, 0.2268, 0.3363

Inverse Universe

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



13.8114, 0.6248, 0.3278



21.2774, 0.6379, 0.3288



23.5807, 0.5363, 0.4058



11.8141, 0.3286, 0.3283



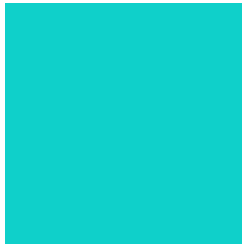
8.3693, 0.6364, 0.3279



0.4701, 0.6245, 0.3214

Previews

White Background



This preview shows how the Yxy color 49.4776, 0.2280, 0.3376 looks on a white background.

Color Contrast Check

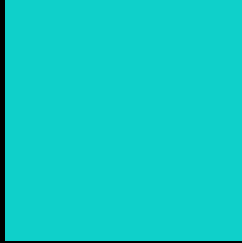
Large Text (above 18pt) WCAG AA × Fail

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 49.4776, 0.2280, 0.3376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

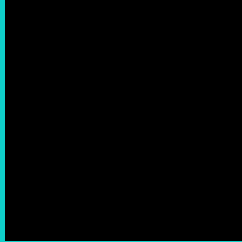
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

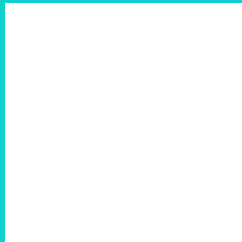
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.4776, 0.2280, 0.3376

Background



This preview shows how black text looks on a background with the Yxy color 49.4776, 0.2280, 0.3376.

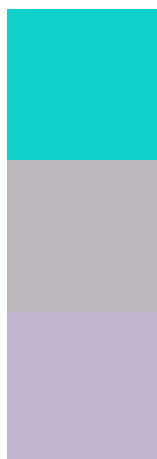


This preview shows how white text looks on a background with the Yxy color 49.4776, 0.2280, 0.3376.

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

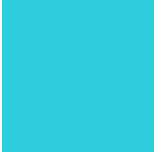
49.4776, 0.2280, 0.3376

Protanopia

48.6032, 0.3130, 0.3239

Deuteranopia

48.4031, 0.3010, 0.2947



Tritanopia

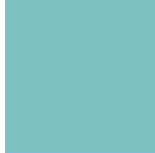
49.4945, 0.2223, 0.3049

Trichromacy



Original Color

49.4776, 0.2280, 0.3376



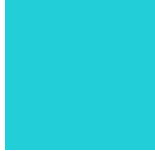
Protanomaly

46.3502, 0.2636, 0.3289



Deuteranomaly

45.8723, 0.2571, 0.3067



Tritanomaly

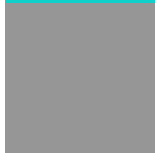
49.3890, 0.2238, 0.3159

Monochromacy



Original Color

49.4776, 0.2280, 0.3376



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

34.7571, 0.2588, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4776, 0.2280, 0.3376 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(15, 208, 202)` looks like.

```
.text, #text, p{  
    color:rgb(15, 208, 202)  
}
```

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(15, 208, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 208, 202) }
```

Border

The CSS property to change the border of an element to Yxy 49.4776, 0.2280, 0.3376 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(15, 208, 202) }
```

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

```
.border{ border-color:rgb(15, 208, 202) }
```

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

Here you see how a box with a 4 pixel rgb(15, 208, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 208, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 208, 202);  
box-shadow:4px 4px 4px 4px rgb(15, 208,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4776, 0.2280, 0.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 208, 202) }
```

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

```
.background{ background-color: rgb(15, 208,  
202) }
```

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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