

Converting Colors

$Y_{xy}(49.0859, 0.2338, 0.3416)$

Have a look what the booklet for
Yxy(49.0859, 0.2338, 0.3416)
contains.

Yxy(48.8482, 0.2335, 0.3406)	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(48.8482, 0.2335, 0.3406)

Conversions

Conversions Part 1

Format	Color
Hex	30CEC6
RGB	48, 206, 198
RGB Percent	19%, 81%, 78%
CMY	0.8110, 0.1922, 0.2236
CMYK	0.77, 0.00, 0.04, 0.19
HSL	177°, 62%, 50%
HSV	177°, 77%, 81%
XYZ	33.4881, 48.8482, 61.0818
YIQ	157.8460, -91.6000, -35.9840

Conversions

Conversions Part 2

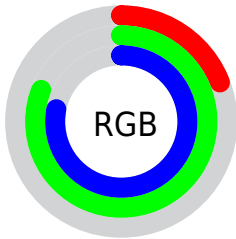
Format	Color
RYB	48, 129, 206
Decimal	3198662
CIELab	75.36, -40.63, -7.44
CIELCh	75, 41.308, 190.371
Yxy	48.8482, 0.2335, 0.3406
Android (android.graphics.Color)	4281388742 (0xFF30CEC6)
YUV	157.8460, 19.7959, -96.3349
Hunter-Lab	69.8915, -36.7828, -2.8925

Details

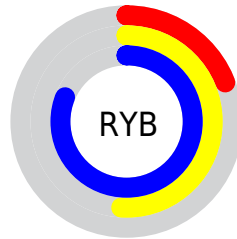
The Yxy color **48.8482, 0.2335, 0.3406** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **15.5376, 0.5662, 0.3230**, and the grayscale version is **34.0825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **24.1468, 0.2286, 0.3428** is the 20% darker color. If you saturate the color by 10%, you get **48.4102, 0.2306, 0.3423**, and if you desaturate by 10%, it is **49.5229, 0.2383, 0.3389**.

Distribution



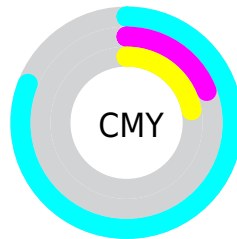
- Red (19%)
- Green (81%)
- Blue (78%)



- Red (19%)
- Yellow (51%)
- Blue (81%)



- Cyan (77%)
- Magenta (0%)
- Yellow (4%)
- Black (19%)





- Cyan (81%)
- Magenta (19%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8482, 0.2335, 0.3406 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 48.8482, 0.2335, 0.3406 by changing the saturation by 10% instead.

 48.8482, 0.2335,
0.3406


 48.8482, 0.2335,
0.3406

382.1444, 0.2719,
0.3358

 34.4991, 0.2243,
0.3415


 88.4660, 0.2472,
0.3391

 23.2773, 0.2128,
0.3425


 114.5034, 0.2524,
0.3384


 14.7984, 0.1979,
0.3435


 145.2057, 0.2568,
0.3379

 8.6780, 0.1781,
0.3443

 180.9573, 0.2607,
0.3373

 4.5318, 0.1506,
0.3444

 222.1426, 0.2640,
0.3369

 1.9752, 0.1082,
0.3426

269.1459, 0.2670,

 0.5930, 0.0000,

0.3365

322.3517, 0.2696,
0.3361

0.3345

0.0000, 0.0000,
0.0000

48.8482, 0.2335,
0.3406

48.8482, 0.2335,
0.3406

48.4102, 0.2306,
0.3423

49.5229, 0.2383,
0.3389

48.1664, 0.2293,
0.3439

50.4572, 0.2450,
0.3372

48.1053, 0.2290,
0.3445

51.6773, 0.2536,
0.3356

53.2048, 0.2640,
0.3340

55.0593, 0.2758,
0.3325

■ 57.2586, 0.2889,
0.3311

■ 59.8193, 0.3030,
0.3298

■ 62.7570, 0.3178,
0.3286

■ 66.0863, 0.3329,
0.3275

Harmonies

Analogous

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



48.8482, 0.2759, 0.3966



48.8482, 0.2335, 0.3406



48.8482, 0.2125, 0.2871

Triad

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



48.8482, 0.2335, 0.3406



48.8482, 0.2867, 0.2476



48.8482, 0.4186, 0.3969

Complementary

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



48.8482, 0.2335, 0.3406



15.5376, 0.5662, 0.3230

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.



48.8482, 0.4245, 0.3546



48.8482, 0.2335, 0.3406



48.8482, 0.3442, 0.2730

Square

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



48.8482, 0.2335, 0.3406



48.8482, 0.2409, 0.2396



48.8482, 0.3966, 0.3108



48.8482, 0.3832, 0.4269

Rectangle

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



48.8482, 0.2335, 0.3406



48.8482, 0.2117, 0.2614



48.8482, 0.3966, 0.3108



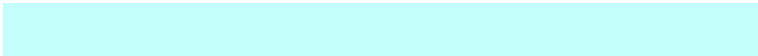
48.8482, 0.4243, 0.3836

Sweetspot

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



48.8500, 0.2335, 0.3406



90.3326, 0.2801, 0.3320



45.2762, 0.3052, 0.5664



19.0716, 0.2754, 0.3326



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.



48.8500, 0.2335, 0.3406



78.1498, 0.2296, 0.3434



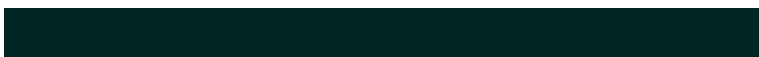
23.1543, 0.2013, 0.2178



12.7168, 0.2990, 0.3302



29.6276, 0.2290, 0.3443



1.5315, 0.2281, 0.3410

Inverse Universe

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



15.5376, 0.5662, 0.3230



21.8805, 0.6228, 0.3263



25.9585, 0.5017, 0.4032



11.2227, 0.3282, 0.3279



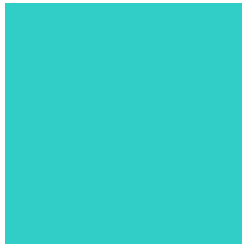
8.0984, 0.6340, 0.3266



0.4211, 0.6140, 0.3156

Previews

White Background



This preview shows how the Yxy color 48.8482, 0.2335, 0.3406 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 48.8482, 0.2335, 0.3406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

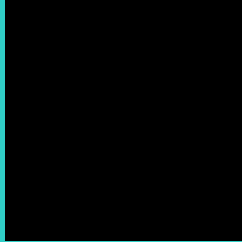
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

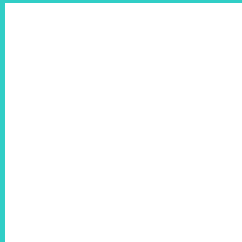
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.8482, 0.2335, 0.3406

Background



This preview shows how black text looks on a background with the Yxy color 48.8482, 0.2335, 0.3406.

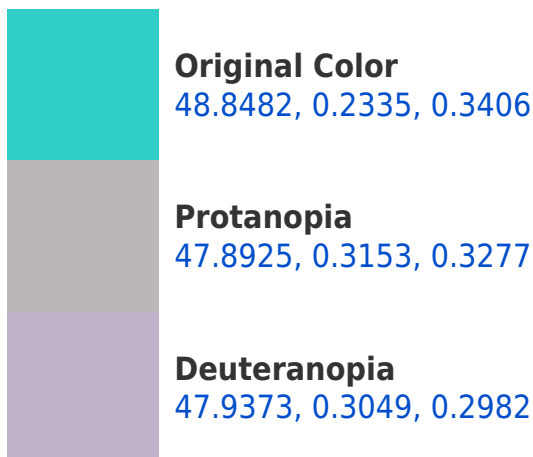


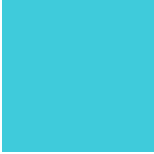
This preview shows how white text looks on a background with the Yxy color 48.8482, 0.2335, 0.3406.

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





Tritanopia

48.8831, 0.2267, 0.3062

Trichromacy



Original Color

48.8482, 0.2335, 0.3406



Protanomaly

46.2541, 0.2735, 0.3317



Deuteranomaly

46.2349, 0.2669, 0.3111



Tritanomaly

48.7884, 0.2293, 0.3187

Monochromacy



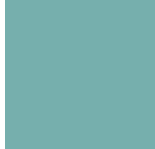
Original Color

48.8482, 0.2335, 0.3406



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

37.5286, 0.2684, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8482, 0.2335, 0.3406 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(48, 206, 198)` looks like.

```
.text, #text, p{  
    color:rgb(48, 206, 198)  
}
```

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(48, 206, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 206, 198) }
```

Border

The CSS property to change the border of an element to Yxy 48.8482, 0.2335, 0.3406 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(48, 206, 198) }
```

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

```
.border{ border-color:rgb(48, 206, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 206, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 206, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 206, 198);  
box-shadow:4px 4px 4px 4px rgb(48, 206,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8482, 0.2335, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 206, 198) }
```

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

```
.background{ background-color: rgb(48, 206,  
198) }
```

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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