

Converting Colors

$Yxy(48.8504, 0.2337, 0.3561)$

Have a look what the booklet for
Yxy(48.8504, 0.2337, 0.3561)
contains.

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Color

Yxy(48.9889, 0.2337, 0.3560)

Conversions

Conversions Part 1

Format	Color
Hex	15D0BE
RGB	21, 208, 190
RGB Percent	8%, 82%, 75%
CMY	0.9170, 0.1843, 0.2550
CMYK	0.90, 0.00, 0.09, 0.18
HSL	174°, 82%, 45%
HSV	174°, 90%, 82%
XYZ	32.1593, 48.9889, 56.4611
YIQ	150.0350, -105.6740, -45.2420

Conversions

Conversions Part 2

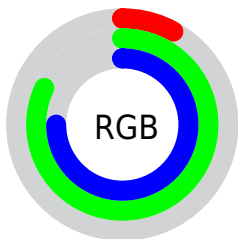
Format	Color
RYB	21, 119, 208
Decimal	1429694
CIELab	75.44, -45.75, -3.02
CIELCh	75, 45.845, 183.773
Yxy	48.9889, 0.2337, 0.3560
Android (android.graphics.Color)	4279619774 (0xFF15D0BE)
YUV	150.0350, 19.7027, -113.1637
Hunter-Lab	69.9921, -40.4707, 1.1665

Details

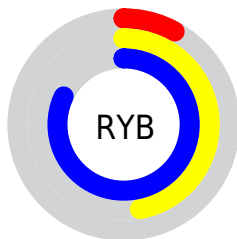
The Yxy color **48.9889, 0.2337, 0.3560** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **14.1002, 0.6057, 0.3204**, and the grayscale version is **30.4839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4888, 0.2450, 0.3394**, and **24.5886, 0.2337, 0.3612** is the 20% darker color. If you saturate the color by 10%, you get **48.7448, 0.2332, 0.3593**, and if you desaturate by 10%, it is **49.4093, 0.2357, 0.3527**.

Distribution



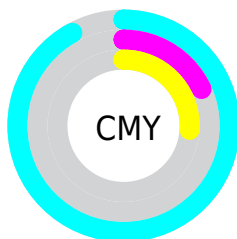
- Red (8%)
- Green (82%)
- Blue (75%)



- Red (8%)
- Yellow (47%)
- Blue (82%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (18%)




- Cyan (92%)
- Magenta (18%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9889, 0.2337, 0.3560 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 48.9889, 0.2337, 0.3560 by changing the saturation by 10% instead.


 48.9889, 0.2337,
0.3560


 48.9889, 0.2337,
0.3560


382.6986, 0.2722,
0.3432

 34.6107, 0.2244,
0.3590


 88.6750, 0.2474,
0.3515

 23.3631, 0.2128,
0.3626


 114.7516, 0.2527,
0.3498

 14.8619, 0.1977,
0.3673


 145.4965, 0.2571,
0.3483

 8.7225, 0.1774,
0.3733

 181.2940, 0.2610,
0.3470

 4.5606, 0.1491,
0.3811

 222.5286, 0.2644,
0.3459

 1.9919, 0.1006,
0.3943

269.5847, 0.2673,

 0.6027, 0.0000,

0.3449

0.4101

322.8465, 0.2699,
0.3440

■ 0.0000, 0.0000,
0.0000

■ 48.9889, 0.2337,
0.3560

■ 48.9889, 0.2337,
0.3560

■ 48.7448, 0.2332,
0.3593

■ 49.4093, 0.2357,
0.3527

■ 48.7409, 0.2332,
0.3593

■ 50.0564, 0.2396,
0.3494

■ 50.9629, 0.2454,
0.3461

■ 52.1550, 0.2531,
0.3429

■ 53.6556, 0.2625,
0.3397

■ 55.4855, 0.2735,
0.3367

■ 57.6633, 0.2858,
0.3339

■ 60.2065, 0.2990,
0.3313

■ 63.1313, 0.3130,
0.3290

Harmonies

Analogous

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



48.9889, 0.2841, 0.4160



48.9889, 0.2337, 0.3560



48.9889, 0.2056, 0.2935

Triad

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



48.9889, 0.2337, 0.3560



48.9889, 0.2711, 0.2363



48.9889, 0.4342, 0.3930

Complementary

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



48.9889, 0.2337, 0.3560



14.1002, 0.6057, 0.3204

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.



48.9889, 0.4330, 0.3454



48.9889, 0.2337, 0.3560



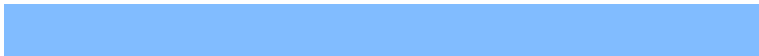
48.9889, 0.3329, 0.2601

Square

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



48.9889, 0.2337, 0.3560



48.9889, 0.2256, 0.2320



48.9889, 0.3946, 0.2986



48.9889, 0.4006, 0.4314

Rectangle

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



48.9889, 0.2337, 0.3560



48.9889, 0.2011, 0.2620



48.9889, 0.3946, 0.2986



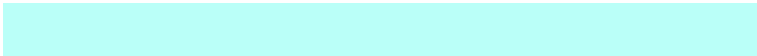
48.9889, 0.4381, 0.3776

Sweetspot

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



48.9908, 0.2337, 0.3560



88.7774, 0.2765, 0.3360



45.6157, 0.3042, 0.5889



18.7643, 0.2724, 0.3370



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.



48.9908, 0.2337, 0.3560



77.2555, 0.2333, 0.3597



21.5632, 0.1926, 0.2064



13.3866, 0.2996, 0.3312



30.3852, 0.2330, 0.3589



1.7048, 0.2313, 0.3528

Inverse Universe

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



14.1002, 0.6057, 0.3204



21.3285, 0.6315, 0.3253



21.8119, 0.5467, 0.3933



11.8265, 0.3276, 0.3268



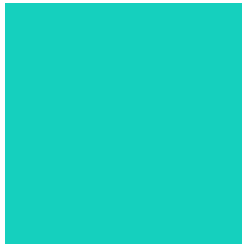
8.3959, 0.6281, 0.3234



0.4759, 0.5949, 0.3051

Previews

White Background



This preview shows how the Yxy color 48.9889, 0.2337, 0.3560 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 48.9889, 0.2337, 0.3560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

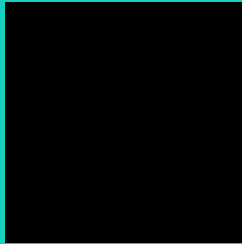
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

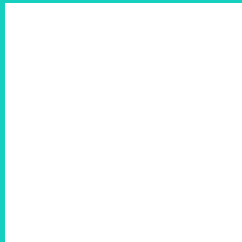
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9889, 0.2337, 0.3560

Background



This preview shows how black text looks on a background with the Yxy color 48.9889, 0.2337, 0.3560.

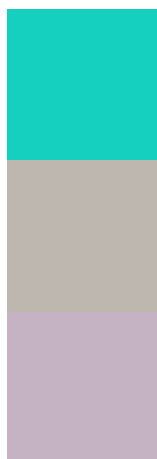


This preview shows how white text looks on a background with the Yxy color 48.9889, 0.2337, 0.3560.

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

48.9889, 0.2337, 0.3560

Protanopia

47.8204, 0.3234, 0.3380

Deuteranopia

48.0960, 0.3146, 0.3081



Tritanopia

49.1373, 0.2245, 0.3062

Trichromacy



Original Color

48.9889, 0.2337, 0.3560



Protanomaly

45.6247, 0.2727, 0.3448



Deuteranomaly

45.7085, 0.2675, 0.3233



Tritanomaly

48.7583, 0.2272, 0.3229

Monochromacy



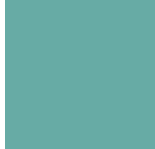
Original Color

48.9889, 0.2337, 0.3560



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

34.7260, 0.2628, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9889, 0.2337, 0.3560 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(21, 208, 190)` looks like.

```
.text, #text, p{  
    color:rgb(21, 208, 190)  
}
```

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(21, 208, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 208, 190) }
```

Border

The CSS property to change the border of an element to Yxy 48.9889, 0.2337, 0.3560 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(21, 208, 190) }
```

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

```
.border{ border-color:rgb(21, 208, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 208, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 208, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 208, 190);  
box-shadow:4px 4px 4px 4px rgb(21, 208,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9889, 0.2337, 0.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 208, 190) }
```

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

```
.background{ background-color: rgb(21, 208,  
190) }
```

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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