

Converting Colors

$Yxy(48.0398, 0.2337, 0.3561)$

Have a look what the booklet for
Yxy(48.0398, 0.2337, 0.3561)
contains.

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Color

Yxy(47.9329, 0.2338, 0.3562)

Conversions

Conversions Part 1

Format	Color
Hex	15CEBC
RGB	21, 206, 188
RGB Percent	8%, 81%, 74%
CMY	0.9166, 0.1922, 0.2627
CMYK	0.90, 0.00, 0.09, 0.19
HSL	174°, 81%, 45%
HSV	174°, 90%, 81%
XYZ	31.4619, 47.9329, 55.1726
YIQ	148.6330, -104.4820, -44.8180

Conversions

Conversions Part 2

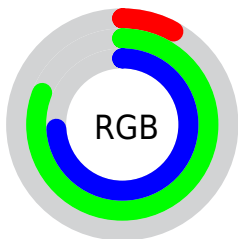
Format	Color
RYB	21, 118, 206
Decimal	1429180
CIELab	74.78, -45.43, -2.93
CIElCh	75, 45.524, 183.685
Yxy	47.9329, 0.2338, 0.3562
Android (android.graphics.Color)	4279619260 (0xFF15CEBC)
YUV	148.6330, 19.4079, -111.9341
Hunter-Lab	69.2336, -40.0429, 1.2150

Details

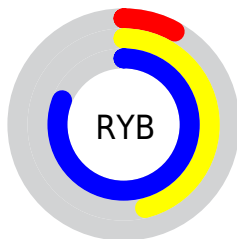
The Yxy color **47.9329, 0.2338, 0.3562** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **13.8159, 0.6048, 0.3202**, and the grayscale version is **29.8774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3029, 0.2455, 0.3417**, and **23.8825, 0.2338, 0.3616** is the 20% darker color. If you saturate the color by 10%, you get **47.6907, 0.2332, 0.3595**, and if you desaturate by 10%, it is **48.3490, 0.2359, 0.3529**.

Distribution



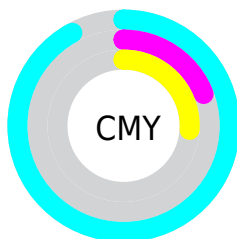
- Red (8%)
- Green (81%)
- Blue (74%)



- Red (8%)
- Yellow (46%)
- Blue (81%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (19%)




- Cyan (92%)
- Magenta (19%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9329, 0.2338, 0.3562 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 47.9329, 0.2338, 0.3562 by changing the saturation by 10% instead.


 47.9329, 0.2338,
0.3562

 47.9329, 0.2338,
0.3562


378.5261, 0.2724,
0.3432


 33.7738, 0.2245,
0.3592


 87.1045, 0.2476,
0.3516


 22.7198, 0.2127,
0.3630


 112.8857, 0.2529,
0.3499

 14.3868, 0.1974,
0.3677


 143.3098, 0.2573,
0.3484

 8.3902, 0.1768,
0.3739

 178.7610, 0.2612,
0.3471

 4.3456, 0.1480,
0.3820

 219.6239, 0.2646,
0.3459

 1.8687, 0.0949,
0.3972

266.2828, 0.2675,


 0.5295, 0.0000,


0.3449

0.4040


319.1220, 0.2701,
0.3440


 0.0000, 0.0000,
0.0000


 47.9329, 0.2338,
0.3562


 47.9329, 0.2338,
0.3562


 47.6907, 0.2332,
0.3595


 48.3490, 0.2359,
0.3529

 47.6836, 0.2332,
0.3596

 48.9872, 0.2398,
0.3495

 49.8795, 0.2456,
0.3462

 51.0514, 0.2533,
0.3429

 52.5252, 0.2628,
0.3398

■ 54.3211, 0.2737,
0.3368

■ 56.4573, 0.2860,
0.3339

■ 58.9510, 0.2992,
0.3313

■ 61.8178, 0.3132,
0.3289

Harmonies

Analogous

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



47.9329, 0.2843, 0.4162



47.9329, 0.2338, 0.3562



47.9329, 0.2056, 0.2936

Triad

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



47.9329, 0.2338, 0.3562



47.9329, 0.2709, 0.2363



47.9329, 0.4342, 0.3929

Complementary

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



47.9329, 0.2338, 0.3562



13.8159, 0.6048, 0.3202

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.



47.9329, 0.4330, 0.3453



47.9329, 0.2338, 0.3562



47.9329, 0.3327, 0.2600

Square

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



47.9329, 0.2338, 0.3562



47.9329, 0.2255, 0.2320



47.9329, 0.3944, 0.2985



47.9329, 0.4008, 0.4313

Rectangle

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



47.9329, 0.2338, 0.3562



47.9329, 0.2011, 0.2621



47.9329, 0.3944, 0.2985



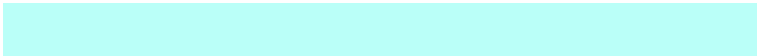
47.9329, 0.4381, 0.3774

Sweetspot

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



47.9347, 0.2338, 0.3562



88.7735, 0.2765, 0.3361



44.6424, 0.3042, 0.5886



18.7633, 0.2724, 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.



47.9347, 0.2338, 0.3562



77.2424, 0.2333, 0.3600



21.1497, 0.1928, 0.2067



12.7075, 0.2996, 0.3312



29.3710, 0.2331, 0.3591



1.5208, 0.2313, 0.3526

Inverse Universe

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



13.8159, 0.6048, 0.3202



21.3295, 0.6314, 0.3252



21.3898, 0.5462, 0.3934



11.2311, 0.3275, 0.3268



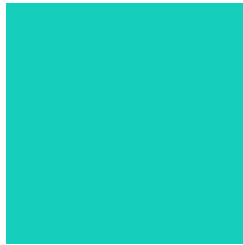
8.1178, 0.6278, 0.3232



0.4250, 0.5924, 0.3037

Previews

White Background



This preview shows how the Yxy color 47.9329, 0.2338, 0.3562 looks on a white background.

Color Contrast Check

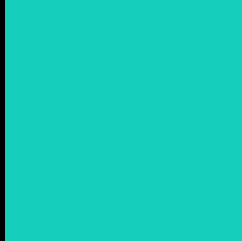
Large Text (above 18pt) WCAG AA × Fail

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 47.9329, 0.2338, 0.3562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

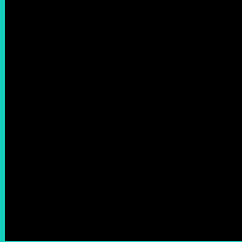
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

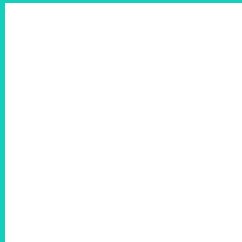
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.9329, 0.2338, 0.3562

Background



This preview shows how black text looks on a background with the Yxy color 47.9329, 0.2338, 0.3562.

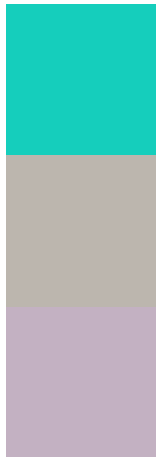


This preview shows how white text looks on a background with the Yxy color 47.9329, 0.2338, 0.3562.

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

47.9329, 0.2338, 0.3562

Protanopia

47.2033, 0.3243, 0.3394

Deuteranopia

46.9414, 0.3146, 0.3079



Tritanopia

48.0873, 0.2246, 0.3060

Trichromacy



Original Color

47.9329, 0.2338, 0.3562



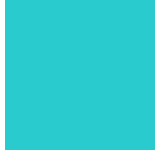
Protanomaly

45.0283, 0.2732, 0.3463



Deuteranomaly

44.6777, 0.2678, 0.3232



Tritanomaly

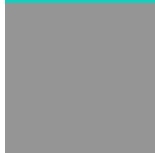
47.7091, 0.2272, 0.3229

Monochromacy



Original Color

47.9329, 0.2338, 0.3562



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

34.2774, 0.2639, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9329, 0.2338, 0.3562 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, 206, 188)` looks like.

```
.text, #text, p{  
  color:rgb(21, 206, 188)  
}
```

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, 206, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 206, 188) }
```

Border

The CSS property to change the border of an element to Yxy 47.9329, 0.2338, 0.3562 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, 206, 188) }
```

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

```
.border{ border-color:rgb(21, 206, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 206, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 206, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 206, 188);  
box-shadow:4px 4px 4px 4px rgb(21, 206,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9329, 0.2338, 0.3562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 206, 188) }
```

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

```
.background{ background-color: rgb(21, 206,  
188) }
```

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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