

Converting Colors

$Y_{xy}(49.0831, 0.2249, 0.3250)$

Have a look what the booklet for
Yxy(49.0831, 0.2249, 0.3250)
contains.

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Color

Yxy(48.9055, 0.2248, 0.3244)

Conversions

Conversions Part 1

Format	Color
Hex	15CED1
RGB	21, 206, 209
RGB Percent	8%, 81%, 82%
CMY	0.9168, 0.1922, 0.1805
CMYK	0.90, 0.01, 0.00, 0.18
HSL	181°, 82%, 45%
HSV	181°, 90%, 82%
XYZ	33.8901, 48.9055, 67.9612
YIQ	151.0270, -111.2230, -38.2870

Conversions

Conversions Part 2

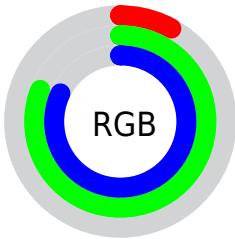
Format	Color
RYB	21, 114, 209
Decimal	1429201
CIELab	75.39, -39.38, -13.35
CIELCh	75, 41.581, 198.725
Yxy	48.9055, 0.2248, 0.3244
Android (android.graphics.Color)	4279619281 (0xFF15CED1)
YUV	151.0270, 28.5807, -114.0337
Hunter-Lab	69.9325, -35.8785, -8.6660

Details

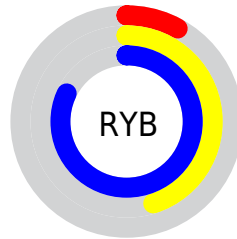
The Yxy color **48.9055, 0.2248, 0.3244** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.2689, 0.6210, 0.3311**, and the grayscale version is **30.8996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **24.4998, 0.2225, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **48.5880, 0.2233, 0.3239**, and if you desaturate by 10%, it is **49.4001, 0.2277, 0.3249**.

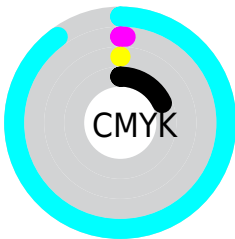
Distribution



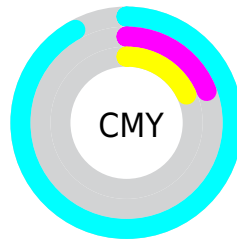
- Red (8%)
- Green (81%)
- Blue (82%)



- Red (8%)
- Yellow (45%)
- Blue (82%)



- Cyan (90%)
- Magenta (1%)
- Yellow (0%)
- Black (18%)





- Cyan (92%)
- Magenta (19%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9055, 0.2248, 0.3244 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 48.9055, 0.2248, 0.3244 by changing the saturation by 10% instead.


 48.9055, 0.2248,
0.3244


 48.9055, 0.2248,
0.3244

382.3702, 0.2670,
0.3281

 34.5445, 0.2149,
0.3231


 88.5511, 0.2397,
0.3260


 23.3122, 0.2025,
0.3212

 114.6045, 0.2454,
0.3265

 14.8242, 0.1866,
0.3184


 145.3241, 0.2503,
0.3270

 8.6961, 0.1658,
0.3138

 181.0945, 0.2546,
0.3273

 4.5435, 0.1375,
0.3057

 222.2998, 0.2583,
0.3275

 1.9820, 0.0965,
0.2906

269.3246, 0.2615,

 0.5970, 0.0000,

0.3277

0.2571

322.5533, 0.2644,
0.3279

■ 0.0000, 0.0000,
0.0000

■ 48.9055, 0.2248,
0.3244

■ 48.9055, 0.2248,
0.3244

■ 48.5880, 0.2233,
0.3239

■ 49.4001, 0.2277,
0.3249

■ 48.5835, 0.2233,
0.3239

■ 50.1228, 0.2324,
0.3255

■ 51.1069, 0.2390,
0.3260

■ 52.3788, 0.2475,
0.3265

■ 53.9617, 0.2578,
0.3271

■ 55.8765, 0.2698,
0.3276

■ 58.1423, 0.2832,
0.3281

■ 60.7765, 0.2977,
0.3286

■ 63.7958, 0.3130,
0.3290

Harmonies

Analogous

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



48.9055, 0.2620, 0.3826



48.9055, 0.2248, 0.3244



48.9055, 0.2103, 0.2748

Triad

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



48.9055, 0.2248, 0.3244



48.9055, 0.3020, 0.2527



48.9055, 0.4118, 0.4075

Complementary

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



48.9055, 0.2248, 0.3244



14.2689, 0.6210, 0.3311

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.



48.9055, 0.4270, 0.3671



48.9055, 0.2248, 0.3244



48.9055, 0.3605, 0.2822

Square

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



48.9055, 0.2248, 0.3244



48.9055, 0.2515, 0.2394



48.9055, 0.4081, 0.3226



48.9055, 0.3700, 0.4317

Rectangle

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



48.9055, 0.2248, 0.3244



48.9055, 0.2140, 0.2531



48.9055, 0.4081, 0.3226



48.9055, 0.4204, 0.3951

Sweetspot

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



48.9073, 0.2248, 0.3244



88.5029, 0.2731, 0.3277



45.8079, 0.3004, 0.5919



18.6979, 0.2687, 0.3275



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.



48.9073, 0.2248, 0.3244



76.1856, 0.2233, 0.3238



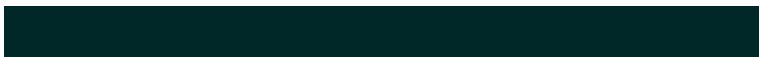
17.0488, 0.1839, 0.1746



13.3735, 0.2983, 0.3286



29.9763, 0.2233, 0.3240



1.6866, 0.2236, 0.3249

Inverse Universe

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



18.5532, 0.3243, 0.1596



28.2221, 0.3250, 0.1564



25.8919, 0.5214, 0.4145



12.0057, 0.3140, 0.3065



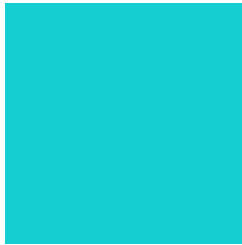
11.0974, 0.3249, 0.1563



0.6216, 0.3241, 0.1559

Previews

White Background



This preview shows how the Yxy color 48.9055, 0.2248, 0.3244 looks on a white background.

Color Contrast Check

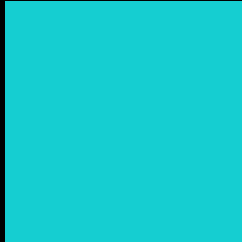
Large Text (above 18pt) WCAG AA × Fail

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 48.9055, 0.2248, 0.3244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

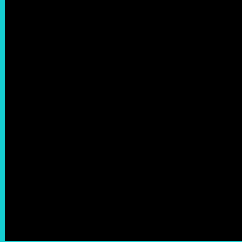
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

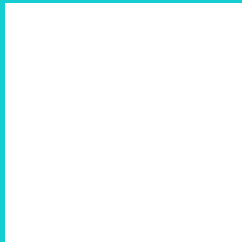
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9055, 0.2248, 0.3244

Background



This preview shows how black text looks on a background with the Yxy color 48.9055, 0.2248, 0.3244.

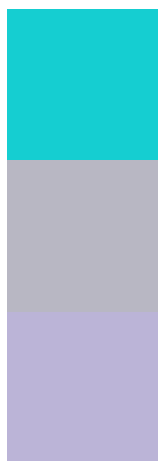


This preview shows how white text looks on a background with the Yxy color 48.9055, 0.2248, 0.3244.

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

48.9055, 0.2248, 0.3244

Protanopia

47.9975, 0.3043, 0.3137

Deuteranopia

48.1136, 0.2918, 0.2861



Tritanopia

48.8375, 0.2214, 0.3047

Trichromacy



Original Color

48.9055, 0.2248, 0.3244



Protanomaly

45.7917, 0.2591, 0.3162



Deuteranomaly

45.7113, 0.2523, 0.2961



Tritanomaly

48.9957, 0.2225, 0.3116

Monochromacy



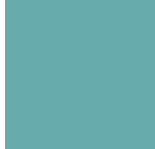
Original Color

48.9055, 0.2248, 0.3244



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

35.0474, 0.2588, 0.3272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9055, 0.2248, 0.3244 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(21, 206, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 206, 209) }
```

Border

The CSS property to change the border of an element to Yxy 48.9055, 0.2248, 0.3244 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, 209) }
```

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

```
.border{ border-color:rgb(21, 206, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 206, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 206, 209);  
box-shadow:4px 4px 4px 4px rgb(21, 206,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9055, 0.2248, 0.3244 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, 209) }
```

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

```
.background{ background-color: rgb(21, 206,  
209) }
```

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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