

Converting Colors

$Y_{xy}(47.6528, 0.2215, 0.3488)$

Have a look what the booklet for
Yxy(47.6528, 0.2215, 0.3488)
contains.

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Color

Yxy(48.5207, 0.2301, 0.3484)

Conversions

Conversions Part 1

Format	Color
Hex	00CFC2
RGB	0, 207, 194
RGB Percent	0%, 81%, 76%
CMY	1.0000, 0.1882, 0.2393
CMYK	1.00, 0.00, 0.06, 0.19
HSL	176°, 100%, 41%
HSV	176°, 100%, 81%
XYZ	32.0454, 48.5207, 58.7011
YIQ	143.6250, -119.1990, -47.9270

Conversions

Conversions Part 2

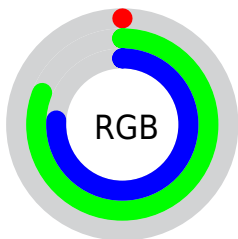
Format	Color
RYB	0, 107, 207
Decimal	53186
CIELab	75.15, -44.90, -5.62
CIELCh	75, 45.248, 187.132
Yxy	48.5207, 0.2301, 0.3484
Android (android.graphics.Color)	4278243266 (0xFF00CFC2)
YUV	143.6250, 24.8349, -125.9591
Hunter-Lab	69.6568, -39.7811, -1.2051

Details

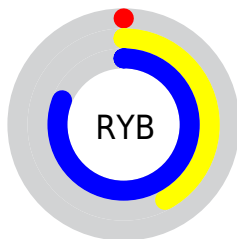
The Yxy color **48.5207, 0.2301, 0.3484** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **13.2959, 0.6342, 0.3267**, and the grayscale version is **27.6668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4863, 0.2421, 0.3346**, and **24.3796, 0.2308, 0.3509** is the 20% darker color. If you saturate the color by 10%, you get **48.5243, 0.2301, 0.3484**, and if you desaturate by 10%, it is **48.7392, 0.2309, 0.3463**.

Distribution



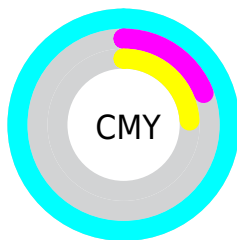
- Red (0%)
- Green (81%)
- Blue (76%)



- Red (0%)
- Yellow (42%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (19%)




- Cyan (100%)
- Magenta (19%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5207, 0.2301, 0.3484 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 48.5207, 0.2301, 0.3484 by changing the saturation by 10% instead.

 48.5207, 0.2301,
0.3484

 48.5207, 0.2301,
0.3484


380.8524, 0.2703,
0.3396


 34.2394, 0.2205,
0.3503


 87.9792, 0.2444,
0.3454


 23.0776, 0.2084,
0.3525

 113.9252, 0.2499,
0.3443


 14.6508, 0.1928,
0.3552


 144.5282, 0.2545,
0.3432

 8.5747, 0.1720,
0.3584

 180.1726, 0.2585,
0.3423

 4.4648, 0.1432,
0.3617

 221.2428, 0.2620,
0.3415

 1.9368, 0.0944,
0.3670

268.1233, 0.2651,

 0.5704, 0.0000,

0.3408

0.3599

321.1983, 0.2678,
0.3402

■ 0.0000, 0.0000,
0.0000

■ 48.5207, 0.2301,
0.3484

■ 48.5207, 0.2301,
0.3484

■ 48.5243, 0.2301,
0.3484

■ 48.7392, 0.2309,
0.3463

■ 49.1221, 0.2332,
0.3442

■ 49.7297, 0.2373,
0.3421

■ 50.5927, 0.2433,
0.3400

■ 51.7370, 0.2512,
0.3379

■ 53.1853, 0.2608,
0.3359

■ 54.9581, 0.2721,
0.3340

■ 57.0739, 0.2847,
0.3322

■ 59.5500, 0.2983,
0.3305

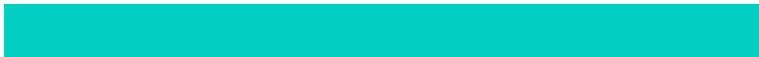
Harmonies

Analogous

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



48.5207, 0.2780, 0.4096



48.5207, 0.2301, 0.3484



48.5207, 0.2050, 0.2879

Triad

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



48.5207, 0.2301, 0.3484



48.5207, 0.2777, 0.2389



48.5207, 0.4308, 0.3975

Complementary

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



48.5207, 0.2301, 0.3484



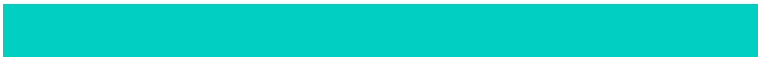
13.2959, 0.6342, 0.3267

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.



48.5207, 0.4339, 0.3507



48.5207, 0.2301, 0.3484



48.5207, 0.3400, 0.2643

Square

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



48.5207, 0.2301, 0.3484



48.5207, 0.2303, 0.2322



48.5207, 0.3995, 0.3038



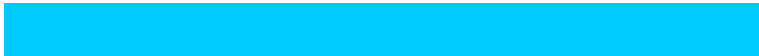
48.5207, 0.3945, 0.4334

Rectangle

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



48.5207, 0.2301, 0.3484



48.5207, 0.2025, 0.2585



48.5207, 0.3995, 0.3038



48.5207, 0.4360, 0.3825

Sweetspot

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



48.5243, 0.2301, 0.3484



87.9579, 0.2716, 0.3341



44.7220, 0.3013, 0.5990



18.5549, 0.2667, 0.3349



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.



48.5243, 0.2301, 0.3484



77.7488, 0.2302, 0.3486



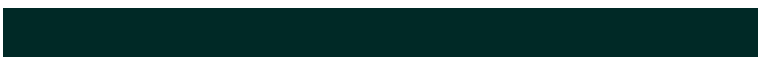
17.2993, 0.1832, 0.1794



13.3937, 0.2991, 0.3304



30.5746, 0.2300, 0.3481



1.7135, 0.2290, 0.3443

Inverse Universe

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



13.2959, 0.6342, 0.3267



21.2976, 0.6354, 0.3274



20.5293, 0.5614, 0.3925



11.8201, 0.3281, 0.3276



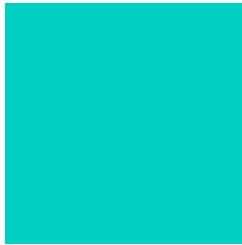
8.3810, 0.6327, 0.3259



0.4729, 0.6096, 0.3132

Previews

White Background



This preview shows how the Yxy color 48.5207, 0.2301, 0.3484 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 48.5207, 0.2301, 0.3484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

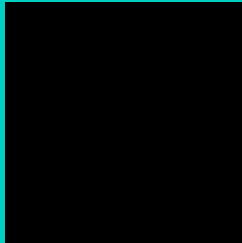
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

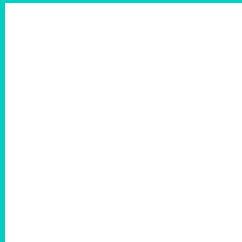
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.5207, 0.2301, 0.3484

Background



This preview shows how black text looks on a background with the Yxy color 48.5207, 0.2301, 0.3484.

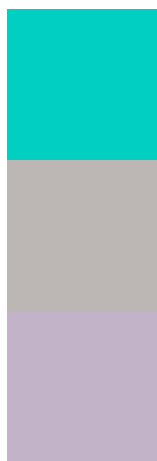


This preview shows how white text looks on a background with the Yxy color 48.5207, 0.2301, 0.3484.

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

48.5207, 0.2301, 0.3484

Protanopia

47.8536, 0.3194, 0.3329

Deuteranopia

47.8797, 0.3088, 0.3031



Tritanopia

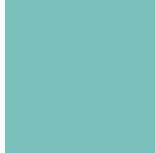
48.5076, 0.2229, 0.3047

Trichromacy



Original Color

48.5207, 0.2301, 0.3484



Protanomaly

45.1951, 0.2652, 0.3390



Deuteranomaly

44.6834, 0.2586, 0.3161



Tritanomaly

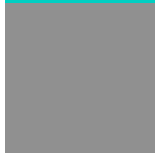
48.1802, 0.2243, 0.3186

Monochromacy



Original Color

48.5207, 0.2301, 0.3484



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

32.5214, 0.2567, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5207, 0.2301, 0.3484 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(0, 207, 194)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 194)  
}
```

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(0, 207, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 194) }
```

Border

The CSS property to change the border of an element to Yxy 48.5207, 0.2301, 0.3484 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(0, 207, 194) }
```

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

```
.border{ border-color:rgb(0, 207, 194) }
```

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

Here you see how a box with a 4 pixel rgb(0, 207, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 194);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5207, 0.2301, 0.3484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 194) }
```

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

```
.background{ background-color: rgb(0, 207,  
194) }
```

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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