

Converting Colors

$Y_{xy}(40.6363, 0.1905, 0.3124)$

Have a look what the booklet for
Yxy(40.6363, 0.1905, 0.3124)
contains.

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Color

Yxy(43.9361, 0.2205, 0.3137)

Conversions

Conversions Part 1

Format	Color
Hex	00C4CE
RGB	0, 196, 206
RGB Percent	0%, 77%, 81%
CMY	0.9985, 0.2314, 0.1922
CMYK	1.00, 0.05, 0.00, 0.19
HSL	183°, 100%, 40%
HSV	183°, 100%, 81%
XYZ	30.8827, 43.9361, 65.2389
YIQ	138.5360, -120.0260, -38.4420

Conversions

Conversions Part 2

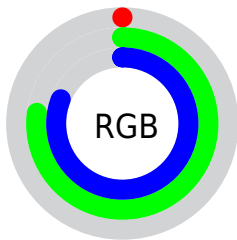
Format	Color
RYB	0, 100, 206
Decimal	50382
CIELab	72.19, -36.37, -16.56
CIELCh	72, 39.966, 204.485
Yxy	43.9361, 0.2205, 0.3137
Android (android.graphics.Color)	4278240462 (0xFF00C4CE)
YUV	138.5360, 33.2598, -121.4961
Hunter-Lab	66.2843, -32.8321, -11.9559

Details

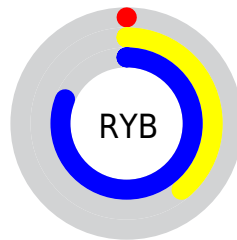
The Yxy color **43.9361, 0.2205, 0.3137** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **13.3468, 0.6367, 0.3324**, and the grayscale version is **25.5823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5347, 0.2396, 0.3265**, and **21.6130, 0.2191, 0.3087** is the 20% darker color. If you saturate the color by 10%, you get **43.9266, 0.2205, 0.3137**, and if you desaturate by 10%, it is **44.5477, 0.2223, 0.3153**.

Distribution



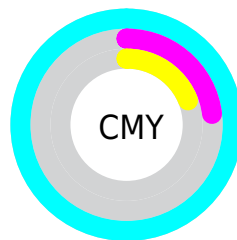
- Red (0%)
- Green (77%)
- Blue (81%)



- Red (0%)
- Yellow (39%)
- Blue (81%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (19%)





- Cyan (100%)
- Magenta (23%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.9361, 0.2205, 0.3137 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 43.9361, 0.2205, 0.3137 by changing the saturation by 10% instead.


 43.9361, 0.2205,
0.3137

 43.9361, 0.2205,
0.3137


362.4475, 0.2654,
0.3230


 30.6203, 0.2098,
0.3109


 81.1216, 0.2365,
0.3174


 20.3099, 0.1964,
0.3071


 105.7600, 0.2426,
0.3187


 12.6205, 0.1791,
0.3016


 134.9415, 0.2478,
0.3198

 7.1677, 0.1564,
0.2931

 169.0503, 0.2523,
0.3206

 3.5672, 0.1254,
0.2790

 208.4709, 0.2562,
0.3214

 1.4345, 0.0705,
0.2564

253.5877, 0.2596,

 0.2420, 0.0000,

0.3220

0.1391

304.7851, 0.2627,
0.3225

■ 0.0000, 0.0000,
0.0000

■ 43.9361, 0.2205,
0.3137

■ 43.9361, 0.2205,
0.3137

■ 43.9266, 0.2205,
0.3137

■ 44.5477, 0.2223,
0.3153

■ 45.3281, 0.2256,
0.3169

■ 46.3340, 0.2307,
0.3185

■ 47.5953, 0.2378,
0.3202

■ 49.1377, 0.2467,
0.3218

■ 50.9836, 0.2574,
0.3234

■ 53.1530, 0.2696,
0.3249

■ 55.6644, 0.2832,
0.3264

■ 58.5347, 0.2977,
0.3278

Harmonies

Analogous

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



43.9361, 0.2536, 0.3717



43.9361, 0.2205, 0.3137



43.9361, 0.2107, 0.2678

Triad

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



43.9361, 0.2205, 0.3137



43.9361, 0.3131, 0.2575



43.9361, 0.4051, 0.4136

Complementary

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



43.9361, 0.2205, 0.3137



13.3468, 0.6367, 0.3324

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.



43.9361, 0.4262, 0.3753



43.9361, 0.2205, 0.3137



43.9361, 0.3709, 0.2895

Square

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



43.9361, 0.2205, 0.3137



43.9361, 0.2602, 0.2408



43.9361, 0.4139, 0.3311



43.9361, 0.3598, 0.4327

Rectangle

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



43.9361, 0.2205, 0.3137



43.9361, 0.2173, 0.2490



43.9361, 0.4139, 0.3311



43.9361, 0.4155, 0.4022

Sweetspot

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



43.9377, 0.2205, 0.3137



85.9150, 0.2689, 0.3249



44.1568, 0.2995, 0.5980



18.0568, 0.2635, 0.3242



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.



43.9377, 0.2205, 0.3137



71.0862, 0.2204, 0.3135



12.8859, 0.1739, 0.1459



12.6299, 0.2984, 0.3278



27.0936, 0.2205, 0.3139



1.4271, 0.2214, 0.3170

Inverse Universe

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



17.1145, 0.3335, 0.1612



27.7073, 0.3337, 0.1612



24.2829, 0.5316, 0.4159



11.3940, 0.3145, 0.3073



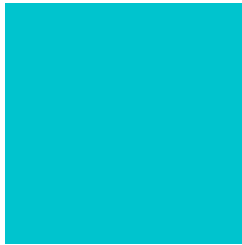
10.5381, 0.3334, 0.1610



0.5466, 0.3307, 0.1596

Previews

White Background



This preview shows how the Yxy color 43.9361, 0.2205, 0.3137 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 43.9361, 0.2205, 0.3137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

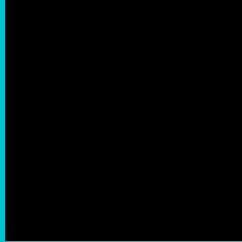
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.9361, 0.2205, 0.3137

Background



This preview shows how black text looks on a background with the Yxy color 43.9361, 0.2205, 0.3137.



This preview shows how white text looks on a background with the Yxy color 43.9361, 0.2205, 0.3137.

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

43.9361, 0.2205, 0.3137

Protanopia

43.0765, 0.2983, 0.3052

Deuteranopia

43.3222, 0.2848, 0.2792



Tritanopia

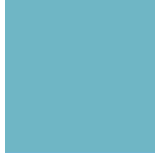
43.9155, 0.2197, 0.3050

Trichromacy



Original Color

43.9361, 0.2205, 0.3137



Protanomaly

40.8666, 0.2505, 0.3068



Deuteranomaly

41.0959, 0.2441, 0.2889



Tritanomaly

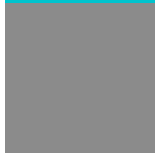
43.7352, 0.2198, 0.3078

Monochromacy



Original Color

43.9361, 0.2205, 0.3137



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.9098, 0.2522, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.9361, 0.2205, 0.3137 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, 196, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 206)  
}
```

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, 196, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 206) }
```

Border

The CSS property to change the border of an element to Yxy 43.9361, 0.2205, 0.3137 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, 196, 206) }
```

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

```
.border{ border-color:rgb(0, 196, 206) }
```

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

Here you see how a box with a 4 pixel rgb(0, 196, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 43.9361, 0.2205, 0.3137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 206) }
```

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

```
.background{ background-color: rgb(0, 196,  
206) }
```

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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