

Converting Colors

$Y_{xy}(40.7835, 0.1887, 0.2805)$

Have a look what the booklet for
Yxy(40.7835, 0.1887, 0.2805)
contains.

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Color

Yxy(43.5217, 0.2122, 0.2840)

Conversions

Conversions Part 1

Format	Color
Hex	00C1E0
RGB	0, 193, 224
RGB Percent	0%, 76%, 88%
CMY	1.0000, 0.2431, 0.1216
CMYK	1.00, 0.14, 0.00, 0.12
HSL	188°, 100%, 44%
HSV	188°, 100%, 88%
XYZ	32.5187, 43.5217, 77.2050
YIQ	138.8270, -124.9790, -31.2750

Conversions

Conversions Part 2

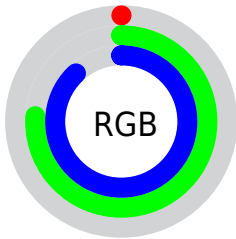
Format	Color
RYB	0, 104, 224
Decimal	49632
CIELab	71.91, -29.21, -26.78
CIELCh	72, 39.626, 222.516
Yxy	43.5217, 0.2122, 0.2840
Android (android.graphics.Color)	4278239712 (0xFF00C1E0)
YUV	138.8270, 41.9903, -121.7513
Hunter-Lab	65.9710, -27.4623, -23.2067

Details

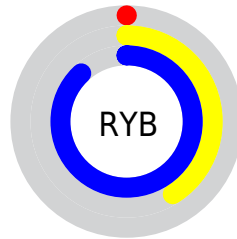
The Yxy color **43.5217, 0.2122, 0.2840** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **16.8262, 0.6289, 0.3388**, and the grayscale version is **25.6229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7794, 0.2395, 0.3230**, and **21.3298, 0.2088, 0.2717** is the 20% darker color. If you saturate the color by 10%, you get **43.5266, 0.2122, 0.2840**, and if you desaturate by 10%, it is **45.0863, 0.2150, 0.2888**.

Distribution



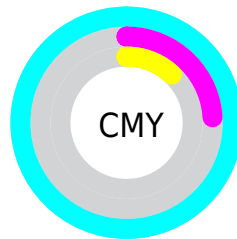
- Red (0%)
- Green (76%)
- Blue (88%)



- Red (0%)
- Yellow (41%)
- Blue (88%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (12%)





- Cyan (100%)
- Magenta (24%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.5217, 0.2122, 0.2840 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 43.5217, 0.2122, 0.2840 by changing the saturation by 10% instead.


 43.5217, 0.2122,
0.2840


 43.5217, 0.2122,
0.2840


360.7529, 0.2606,
0.3081


 30.2947, 0.2008,
0.2776


 80.4975, 0.2293,
0.2931


 20.0624, 0.1867,
0.2693


 105.0151, 0.2359,
0.2964

 12.4404, 0.1688,
0.2580


 134.0650, 0.2415,
0.2991

 7.0443, 0.1457,
0.2421

 168.0316, 0.2464,
0.3015

 3.4898, 0.1150,
0.2185

 207.2993, 0.2506,
0.3035

 1.3925, 0.0706,
0.1820

252.2525, 0.2544,

 0.2112, 0.0000,

0.3052

0.0749

303.2755, 0.2577,
0.3068

■ 0.0000, 0.0000,
0.0000

■ 43.5217, 0.2122,
0.2840

■ 43.5217, 0.2122,
0.2840

■ 43.5266, 0.2122,
0.2840

■ 45.0863, 0.2150,
0.2888

■ 46.8780, 0.2193,
0.2937

■ 48.9674, 0.2255,
0.2986

■ 51.3924, 0.2337,
0.3035

■ 54.1845, 0.2437,
0.3084

■ 57.3716, 0.2553,
0.3130

■ 60.9786, 0.2683,
0.3174

■ 65.0283, 0.2824,
0.3216

■ 69.5418, 0.2973,
0.3255

Harmonies

Analogous

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



43.5217, 0.2315, 0.3364



43.5217, 0.2122, 0.2840



43.5217, 0.2166, 0.2508

Triad

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



43.5217, 0.2122, 0.2840



43.5217, 0.3482, 0.2755



43.5217, 0.3797, 0.4279

Complementary

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



43.5217, 0.2122, 0.2840



16.8262, 0.6289, 0.3388

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.



43.5217, 0.4166, 0.3995



43.5217, 0.2122, 0.2840



43.5217, 0.3993, 0.3138

Square

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



43.5217, 0.2122, 0.2840



43.5217, 0.2906, 0.2491



43.5217, 0.4249, 0.3577



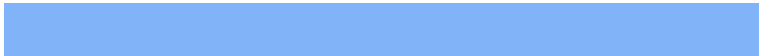
43.5217, 0.3266, 0.4281

Rectangle

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



43.5217, 0.2122, 0.2840



43.5217, 0.2323, 0.2411



43.5217, 0.4249, 0.3577



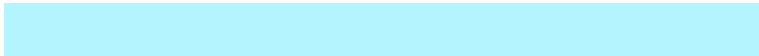
43.5217, 0.3945, 0.4208

Sweetspot

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



43.5266, 0.2122, 0.2840



81.6972, 0.2680, 0.3173



53.4031, 0.2974, 0.5907



17.0327, 0.2624, 0.3155



0.0000, 0.0000, 0.0000



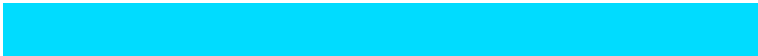
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.5266, 0.2122, 0.2840



58.2622, 0.2121, 0.2837



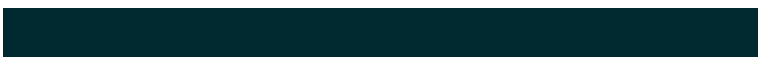
11.4363, 0.1652, 0.1146



15.2320, 0.2982, 0.3257



25.4628, 0.2124, 0.2848



1.8552, 0.2145, 0.2922

Inverse Universe

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



19.6977, 0.3598, 0.1756



26.4128, 0.3601, 0.1757



35.1528, 0.5036, 0.4383



13.9013, 0.3159, 0.3090



11.4785, 0.3591, 0.1752



0.8047, 0.3523, 0.1715

Previews

White Background



This preview shows how the Yxy color 43.5217, 0.2122, 0.2840 looks on a white background.

Color Contrast Check

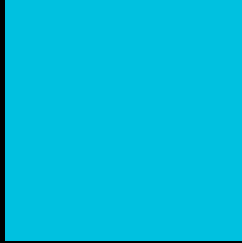
Large Text (above 18pt) WCAG AA × Fail

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 43.5217, 0.2122, 0.2840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

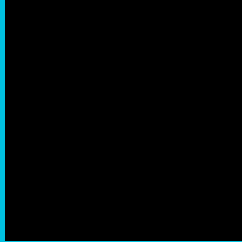
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.5217, 0.2122, 0.2840

Background



This preview shows how black text looks on a background with the Yxy color 43.5217, 0.2122, 0.2840.



This preview shows how white text looks on a background with the Yxy color 43.5217, 0.2122, 0.2840.

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

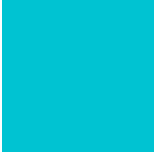
43.5217, 0.2122, 0.2840

Protanopia

42.7558, 0.2792, 0.2808

Deuteranopia

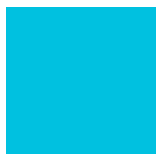
42.9487, 0.2634, 0.2571



Tritanopia

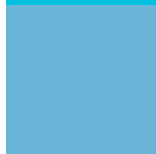
43.6834, 0.2184, 0.3063

Trichromacy



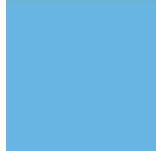
Original Color

43.5217, 0.2122, 0.2840



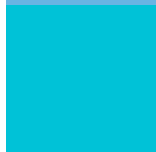
Protanomaly

40.6130, 0.2374, 0.2792



Deuteranomaly

41.1316, 0.2305, 0.2641



Tritanomaly

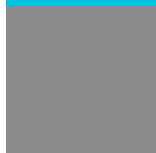
43.4899, 0.2160, 0.2977

Monochromacy



Original Color

43.5217, 0.2122, 0.2840



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.7733, 0.2467, 0.3102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.5217, 0.2122, 0.2840 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, 193, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 224)  
}
```

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, 193, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 224) }
```

Border

The CSS property to change the border of an element to Yxy 43.5217, 0.2122, 0.2840 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, 193, 224) }
```

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

```
.border{ border-color:rgb(0, 193, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 193, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 43.5217, 0.2122, 0.2840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 224) }
```

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

```
.background{ background-color: rgb(0, 193,  
224) }
```

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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