

Converting Colors

$Y_{xy}(44.3288, 0.2108, 0.2808)$

Have a look what the booklet for
Yxy(44.3288, 0.2108, 0.2808)
contains.

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Color

Yxy(44.1850, 0.2112, 0.2803)

Conversions

Conversions Part 1

Format	Color
Hex	00C2E4
RGB	0, 194, 228
RGB Percent	0%, 76%, 89%
CMY	1.0000, 0.2392, 0.1060
CMYK	1.00, 0.15, 0.00, 0.11
HSL	189°, 100%, 45%
HSV	189°, 100%, 89%
XYZ	33.2924, 44.1850, 80.1572
YIQ	139.8700, -126.5380, -30.5540

Conversions

Conversions Part 2

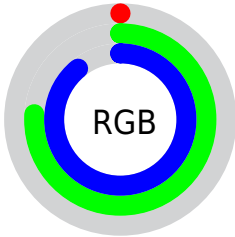
Format	Color
RYB	0, 105, 228
Decimal	49892
CIELab	72.35, -28.37, -28.26
CIElCh	72, 40.043, 224.886
Yxy	44.1850, 0.2112, 0.2803
Android (android.graphics.Color)	4278239972 (0xFF00C2E4)
YUV	139.8700, 43.4481, -122.6660
Hunter-Lab	66.4718, -26.9238, -24.9666

Details

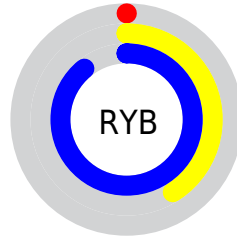
The Yxy color **44.1850, 0.2112, 0.2803** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **17.6333, 0.6276, 0.3399**, and the grayscale version is **26.0380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4656, 0.2401, 0.3241**, and **21.7347, 0.2080, 0.2687** is the 20% darker color. If you saturate the color by 10%, you get **44.1866, 0.2112, 0.2803**, and if you desaturate by 10%, it is **45.8961, 0.2141, 0.2855**.

Distribution



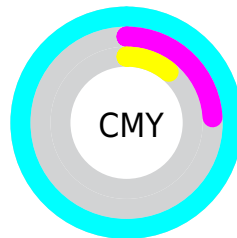
- Red (0%)
- Green (76%)
- Blue (89%)



- Red (0%)
- Yellow (41%)
- Blue (89%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (24%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.1850, 0.2112, 0.2803 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 44.1850, 0.2112, 0.2803 by changing the saturation by 10% instead.

44.1850, 0.2112,
0.2803

44.1850, 0.2112,
0.2803

363.4627, 0.2599,
0.3061

30.8160, 0.1998,
0.2736

81.4961, 0.2283,
0.2899

20.4588, 0.1858,
0.2648

106.2069, 0.2350,
0.2935

12.7290, 0.1680,
0.2530

135.4671, 0.2406,
0.2965

7.2422, 0.1450,
0.2366

169.6610, 0.2455,
0.2990

3.6140, 0.1148,
0.2125

209.1732, 0.2498,
0.3012

1.4601, 0.0730,
0.1756

254.3879, 0.2536,

0.2604, 0.0000,

0.3030

0.0817

305.6896, 0.2569,
0.3047

■ 0.0000, 0.0000,
0.0000

■ 44.1850, 0.2112,
0.2803

■ 44.1850, 0.2112,
0.2803

■ 44.1866, 0.2112,
0.2803

■ 45.8961, 0.2141,
0.2855

■ 47.8523, 0.2185,
0.2908

■ 50.1235, 0.2249,
0.2962

■ 52.7491, 0.2332,
0.3015

■ 55.7621, 0.2433,
0.3067

■ 59.1918, 0.2551,
0.3117

■ 63.0641, 0.2682,
0.3165

■ 67.4030, 0.2824,
0.3210

■ 72.2304, 0.2973,
0.3252

Harmonies

Analogous

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



44.1850, 0.2287, 0.3318



44.1850, 0.2112, 0.2803



44.1850, 0.2175, 0.2487

Triad

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



44.1850, 0.2112, 0.2803



44.1850, 0.3530, 0.2779



44.1850, 0.3762, 0.4297

Complementary

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



44.1850, 0.2112, 0.2803



17.6333, 0.6276, 0.3399

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.



44.1850, 0.4151, 0.4027



44.1850, 0.2112, 0.2803



44.1850, 0.4029, 0.3171

Square

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



44.1850, 0.2112, 0.2803



44.1850, 0.2949, 0.2503



44.1850, 0.4261, 0.3613



44.1850, 0.3222, 0.4272

Rectangle

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



44.1850, 0.2112, 0.2803



44.1850, 0.2344, 0.2401



44.1850, 0.4261, 0.3613



44.1850, 0.3915, 0.4232

Sweetspot

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



44.1866, 0.2112, 0.2803



81.2050, 0.2679, 0.3164



55.5716, 0.2975, 0.5908



16.9136, 0.2622, 0.3144



0.0000, 0.0000, 0.0000



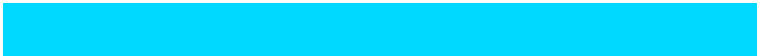
21.4041, 0.3127, 0.3290

Same Dimension

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



44.1866, 0.2112, 0.2803



56.8454, 0.2111, 0.2800



11.8779, 0.1651, 0.1144



15.9511, 0.2981, 0.3254



25.6584, 0.2114, 0.2811



1.9960, 0.2136, 0.2888

Inverse Universe

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



20.3860, 0.3632, 0.1774



26.2697, 0.3635, 0.1776



36.5548, 0.5037, 0.4382



14.5764, 0.3161, 0.3092



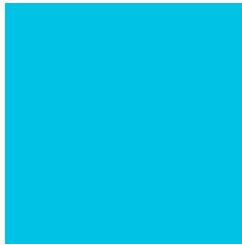
11.7879, 0.3624, 0.1770



0.8812, 0.3554, 0.1732

Previews

White Background



This preview shows how the Yxy color 44.1850, 0.2112, 0.2803 looks on a white background.

Color Contrast Check

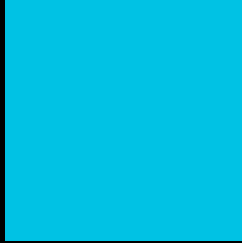
Large Text (above 18pt) WCAG AA × Fail

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 44.1850, 0.2112, 0.2803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

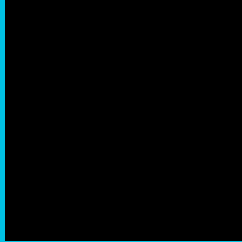
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.1850, 0.2112, 0.2803

Background



This preview shows how black text looks on a background with the Yxy color 44.1850, 0.2112, 0.2803.

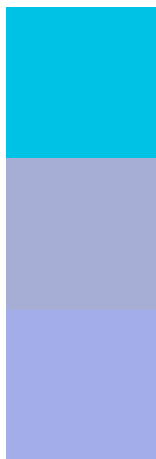


This preview shows how white text looks on a background with the Yxy color 44.1850, 0.2112, 0.2803.

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

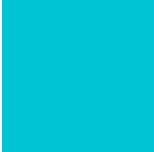
44.1850, 0.2112, 0.2803

Protanopia

43.3426, 0.2765, 0.2774

Deuteranopia

43.4517, 0.2603, 0.2539



Tritanopia

44.1830, 0.2185, 0.3064

Trichromacy



Original Color

44.1850, 0.2112, 0.2803



Protanomaly

41.2264, 0.2357, 0.2756



Deuteranomaly

41.7008, 0.2284, 0.2607



Tritanomaly

44.0400, 0.2157, 0.2965

Monochromacy



Original Color

44.1850, 0.2112, 0.2803



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

30.2440, 0.2464, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1850, 0.2112, 0.2803 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, 194, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 228)  
}
```

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, 194, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 228) }
```

Border

The CSS property to change the border of an element to Yxy 44.1850, 0.2112, 0.2803 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, 194, 228) }
```

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

```
.border{ border-color:rgb(0, 194, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 194, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1850, 0.2112, 0.2803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 228) }
```

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

```
.background{ background-color: rgb(0, 194,  
228) }
```

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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