

Converting Colors

$Y_{xy}(43.8066, 0.2092, 0.2730)$

Have a look what the booklet for
Yxy(43.8066, 0.2092, 0.2730)
contains.

Yxy(43.9726, 0.2094, 0.2737)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(43.9726, 0.2094, 0.2737)

Conversions

Conversions Part 1

Format	Color
Hex	01C1E8
RGB	1, 193, 232
RGB Percent	0%, 76%, 91%
CMY	0.9974, 0.2431, 0.0903
CMYK	1.00, 0.17, 0.00, 0.09
HSL	190°, 99%, 46%
HSV	190°, 100%, 91%
XYZ	33.6422, 43.9726, 83.0451
YIQ	140.0380, -126.9510, -28.5750

Conversions

Conversions Part 2

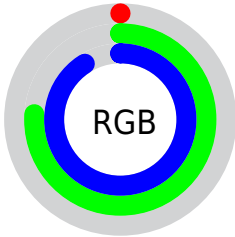
Format	Color
RYB	1, 106, 232
Decimal	115176
CIELab	72.21, -26.53, -30.65
CIELCh	72, 40.534, 229.117
Yxy	43.9726, 0.2094, 0.2737
Android (android.graphics.Color)	4278305256 (0xFF01C1E8)
YUV	140.0380, 45.3373, -121.9363
Hunter-Lab	66.3118, -25.4868, -27.8330

Details

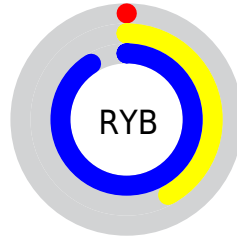
The Yxy color **43.9726, 0.2094, 0.2737** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **18.6470, 0.6243, 0.3422**, and the grayscale version is **26.0582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8424, 0.2398, 0.3230**, and **21.5998, 0.2056, 0.2602** is the 20% darker color. If you saturate the color by 10%, you get **43.9212, 0.2093, 0.2735**, and if you desaturate by 10%, it is **45.9134, 0.2125, 0.2797**.

Distribution



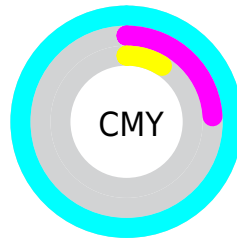
- Red (0%)
- Green (76%)
- Blue (91%)



- Red (0%)
- Yellow (42%)
- Blue (91%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (24%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.9726, 0.2094, 0.2737 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 43.9726, 0.2094, 0.2737 by changing the saturation by 10% instead.

43.9726, 0.2094,
0.2737

43.9726, 0.2094,
0.2737

362.5965, 0.2589,
0.3027

30.6490, 0.1979,
0.2662

81.1765, 0.2268,
0.2844

20.3317, 0.1837,
0.2566

105.8256, 0.2335,
0.2884

12.6364, 0.1657,
0.2438

135.0186, 0.2393,
0.2918

7.1786, 0.1427,
0.2261

169.1399, 0.2442,
0.2946

3.5741, 0.1126,
0.2006

208.5740, 0.2486,
0.2971

1.4383, 0.0719,
0.1624

253.7052, 0.2525,

0.2447, 0.0000,

0.2992

0.0700

304.9179, 0.2559,
0.3011

■ 0.0000, 0.0000,
0.0000

■ 43.9726, 0.2094,
0.2737

■ 43.9726, 0.2094,
0.2737

■ 43.9212, 0.2093,
0.2735

■ 45.9134, 0.2125,
0.2797

■ 48.1236, 0.2172,
0.2858

■ 50.6729, 0.2239,
0.2919

■ 53.6022, 0.2325,
0.2979

■ 56.9462, 0.2430,
0.3039

■ 60.7352, 0.2550,
0.3096

■ 64.9965, 0.2683,
0.3150

■ 69.7549, 0.2827,
0.3201

■ 75.0336, 0.2977,
0.3248

Harmonies

Analogous

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



43.9726, 0.2236, 0.3235



43.9726, 0.2094, 0.2737



43.9726, 0.2191, 0.2450

Triad

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



43.9726, 0.2094, 0.2737



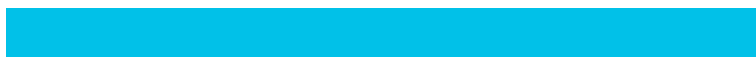
43.9726, 0.3617, 0.2823



43.9726, 0.3698, 0.4328

Complementary

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



43.9726, 0.2094, 0.2737



18.6470, 0.6243, 0.3422

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.



43.9726, 0.4123, 0.4086



43.9726, 0.2094, 0.2737



43.9726, 0.4095, 0.3231

Square

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



43.9726, 0.2094, 0.2737



43.9726, 0.3026, 0.2523



43.9726, 0.4281, 0.3679



43.9726, 0.3142, 0.4253

Rectangle

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



43.9726, 0.2094, 0.2737



43.9726, 0.2383, 0.2384



43.9726, 0.4281, 0.3679



43.9726, 0.3862, 0.4276

Sweetspot

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



43.9741, 0.2094, 0.2737



80.3151, 0.2677, 0.3148



57.8559, 0.2963, 0.5865



16.6983, 0.2620, 0.3125



0.0000, 0.0000, 0.0000



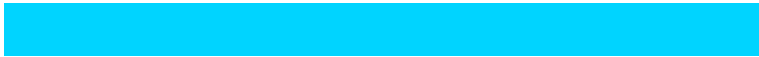
21.4041, 0.3127, 0.3290

Same Dimension

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



43.9741, 0.2094, 0.2737



54.3267, 0.2092, 0.2732



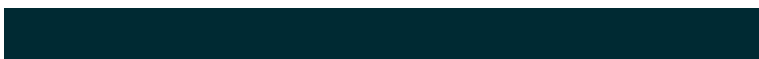
11.2448, 0.1628, 0.1060



15.9013, 0.2981, 0.3249



24.5487, 0.2096, 0.2745



1.9240, 0.2120, 0.2833

Inverse Universe

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



21.0180, 0.3693, 0.1809



26.0155, 0.3698, 0.1811



40.5551, 0.4942, 0.4456



14.5713, 0.3164, 0.3097



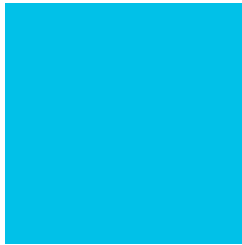
11.6759, 0.3686, 0.1804



0.8739, 0.3604, 0.1759

Previews

White Background



This preview shows how the Yxy color 43.9726, 0.2094, 0.2737 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 43.9726, 0.2094, 0.2737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

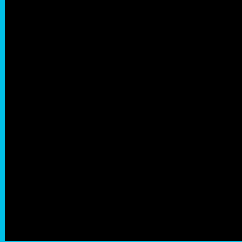
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.9726, 0.2094, 0.2737

Background



This preview shows how black text looks on a background with the Yxy color 43.9726, 0.2094, 0.2737.



This preview shows how white text looks on a background with the Yxy color 43.9726, 0.2094, 0.2737.

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

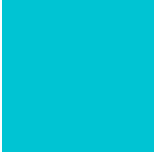
43.9726, 0.2094, 0.2737

Protanopia

43.3334, 0.2723, 0.2724

Deuteranopia

43.3725, 0.2558, 0.2492



Tritanopia

44.1830, 0.2185, 0.3064

Trichromacy



Original Color

43.9726, 0.2094, 0.2737



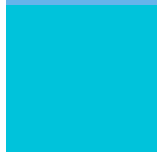
Protanomaly

41.3787, 0.2332, 0.2705



Deuteranomaly

41.4074, 0.2254, 0.2544



Tritanomaly

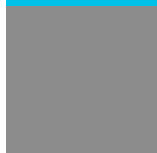
44.1447, 0.2149, 0.2937

Monochromacy



Original Color

43.9726, 0.2094, 0.2737



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

29.9373, 0.2454, 0.3053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.9726, 0.2094, 0.2737 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(1, 193, 232)` looks like.

```
.text, #text, p{  
    color:rgb(1, 193, 232)  
}
```

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(1, 193, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 193, 232) }
```

Border

The CSS property to change the border of an element to Yxy 43.9726, 0.2094, 0.2737 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(1, 193, 232) }
```

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

```
.border{ border-color:rgb(1, 193, 232) }
```

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

Here you see how a box with a 4 pixel rgb(1, 193, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 193, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 193, 232);  
box-shadow:4px 4px 4px 4px rgb(1, 193,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 43.9726, 0.2094, 0.2737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 193, 232) }
```

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

```
.background{ background-color: rgb(1, 193,  
232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor