

Converting Colors

$Yxy(44.2011, 0.2127, 0.2857)$

Have a look what the booklet for
Yxy(44.2011, 0.2127, 0.2857)
contains.

Yxy(43.9654, 0.2126, 0.2855)	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(43.9654, 0.2126, 0.2855)

Conversions

Conversions Part 1

Format	Color
Hex	00C2E0
RGB	0, 194, 224
RGB Percent	0%, 76%, 88%
CMY	1.0000, 0.2392, 0.1215
CMYK	1.00, 0.13, 0.00, 0.12
HSL	188°, 100%, 44%
HSV	188°, 100%, 88%
XYZ	32.7392, 43.9654, 77.2898
YIQ	139.4140, -125.2540, -31.7980

Conversions

Conversions Part 2

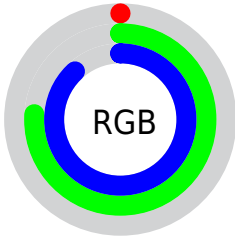
Format	Color
RYB	0, 104, 224
Decimal	49888
CIELab	72.21, -29.70, -26.33
CIElCh	72, 39.693, 221.557
Yxy	43.9654, 0.2126, 0.2855
Android (android.graphics.Color)	4278239968 (0xFF00C2E0)
YUV	139.4140, 41.7009, -122.2661
Hunter-Lab	66.3064, -27.9007, -22.6967

Details

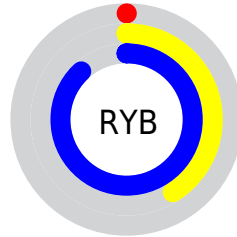
The Yxy color **43.9654, 0.2126, 0.2855** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **16.7778, 0.6295, 0.3384**, and the grayscale version is **25.8628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4025, 0.2397, 0.3241**, and **21.6207, 0.2094, 0.2737** is the 20% darker color. If you saturate the color by 10%, you get **43.9724, 0.2126, 0.2855**, and if you desaturate by 10%, it is **45.4966, 0.2153, 0.2902**.

Distribution



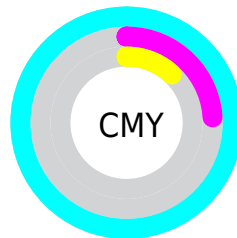
- Red (0%)
- Green (76%)
- Blue (88%)



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



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (12%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.9654, 0.2126, 0.2855 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 43.9654, 0.2126, 0.2855 by changing the saturation by 10% instead.

 43.9654, 0.2126,
0.2855

 43.9654, 0.2126,
0.2855


362.5671, 0.2608,
0.3088

 30.6433, 0.2013,
0.2793

 81.1657, 0.2296,
0.2943


 20.3274, 0.1873,
0.2712


 105.8127, 0.2361,
0.2975

 12.6332, 0.1695,
0.2603


 135.0034, 0.2417,
0.3002

 7.1765, 0.1465,
0.2448

 169.1222, 0.2466,
0.3024

 3.5727, 0.1161,
0.2218

 208.5537, 0.2508,
0.3044

 1.4375, 0.0723,
0.1860

253.6820, 0.2545,

 0.2441, 0.0000,

0.3061

0.0853

304.8917, 0.2578,
0.3075

■ 0.0000, 0.0000,
0.0000

■ 43.9654, 0.2126,
0.2855

■ 43.9654, 0.2126,
0.2855

■ 43.9724, 0.2126,
0.2855

■ 45.4966, 0.2153,
0.2902

■ 47.2509, 0.2196,
0.2949

■ 49.3014, 0.2258,
0.2996

■ 51.6856, 0.2338,
0.3044

■ 54.4352, 0.2438,
0.3090

■ 57.5780, 0.2554,
0.3135

■ 61.1390, 0.2684,
0.3178

■ 65.1408, 0.2825,
0.3218

■ 69.6046, 0.2973,
0.3256

Harmonies

Analogous

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



43.9654, 0.2326, 0.3383



43.9654, 0.2126, 0.2855



43.9654, 0.2163, 0.2517

Triad

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



43.9654, 0.2126, 0.2855



43.9654, 0.3463, 0.2745



43.9654, 0.3811, 0.4272

Complementary

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



43.9654, 0.2126, 0.2855



16.7778, 0.6295, 0.3384

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.



43.9654, 0.4172, 0.3982



43.9654, 0.2126, 0.2855



43.9654, 0.3978, 0.3125

Square

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



43.9654, 0.2126, 0.2855



43.9654, 0.2889, 0.2487



43.9654, 0.4244, 0.3563



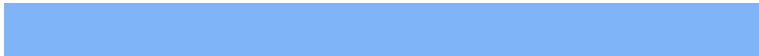
43.9654, 0.3284, 0.4285

Rectangle

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



43.9654, 0.2126, 0.2855



43.9654, 0.2315, 0.2415



43.9654, 0.4244, 0.3563



43.9654, 0.3956, 0.4198

Sweetspot

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



43.9724, 0.2126, 0.2855



81.9013, 0.2681, 0.3177



53.4112, 0.2974, 0.5907



17.0821, 0.2624, 0.3159



0.0000, 0.0000, 0.0000



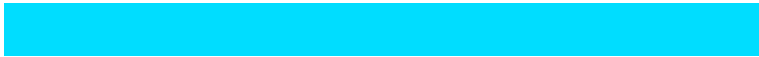
21.4041, 0.3127, 0.3290

Same Dimension

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



43.9724, 0.2126, 0.2855



58.8547, 0.2126, 0.2852



11.4379, 0.1652, 0.1146



15.2428, 0.2982, 0.3258



25.7152, 0.2128, 0.2862



1.8704, 0.2149, 0.2934

Inverse Universe

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



19.7450, 0.3584, 0.1748



26.4726, 0.3587, 0.1750



35.1580, 0.5036, 0.4383



13.9024, 0.3158, 0.3089



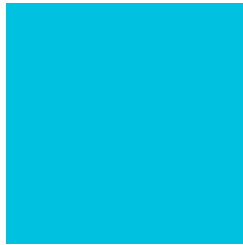
11.5040, 0.3578, 0.1744



0.8063, 0.3512, 0.1709

Previews

White Background



This preview shows how the Yxy color 43.9654, 0.2126, 0.2855 looks on a white background.

Color Contrast Check

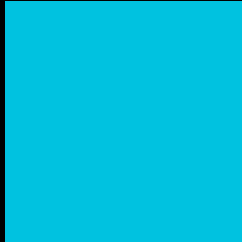
Large Text (above 18pt) WCAG AA × Fail

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 43.9654, 0.2126, 0.2855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

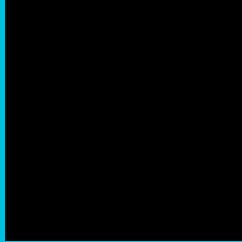
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.9654, 0.2126, 0.2855

Background



This preview shows how black text looks on a background with the Yxy color 43.9654, 0.2126, 0.2855.

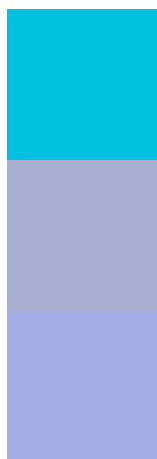


This preview shows how white text looks on a background with the Yxy color 43.9654, 0.2126, 0.2855.

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

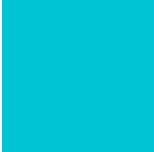
43.9654, 0.2126, 0.2855

Protanopia

43.2501, 0.2801, 0.2823

Deuteranopia

43.4368, 0.2643, 0.2585



Tritanopia

44.1830, 0.2185, 0.3064

Trichromacy



Original Color

43.9654, 0.2126, 0.2855



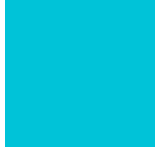
Protanomaly

41.0798, 0.2382, 0.2808



Deuteranomaly

41.5369, 0.2308, 0.2655



Tritanomaly

43.9881, 0.2161, 0.2979

Monochromacy



Original Color

43.9654, 0.2126, 0.2855



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 43.9654, 0.2126, 0.2855 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 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, 194, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 224) }
```

Border

The CSS property to change the border of an element to Yxy 43.9654, 0.2126, 0.2855 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, 224) }
```

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

```
.border{ border-color:rgb(0, 194, 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, 194, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 43.9654, 0.2126, 0.2855 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, 224) }
```

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

```
.background{ background-color: rgb(0, 194,  
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](#).

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