

Converting Colors

$Y_{xy}(43.2429, 0.2048, 0.2952)$

Have a look what the booklet for
Yxy(43.2429, 0.2048, 0.2952)
contains.

Yxy(44.5418, 0.2157, 0.2966)	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(44.5418, 0.2157, 0.2966)

Conversions

Conversions Part 1

Format	Color
Hex	00C4DA
RGB	0, 196, 218
RGB Percent	0%, 77%, 85%
CMY	1.0000, 0.2313, 0.1450
CMYK	1.00, 0.10, 0.00, 0.14
HSL	186°, 100%, 43%
HSV	186°, 100%, 86%
XYZ	32.3927, 44.5418, 73.2402
YIQ	139.9040, -123.8780, -34.7100

Conversions

Conversions Part 2

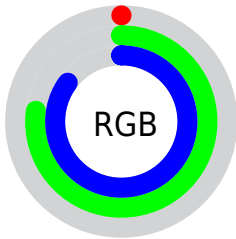
Format	Color
RYB	0, 103, 218
Decimal	50394
CIELab	72.59, -32.60, -22.50
CIELCh	73, 39.607, 214.612
Yxy	44.5418, 0.2157, 0.2966
Android (android.graphics.Color)	4278240474 (0xFF00C4DA)
YUV	139.9040, 38.5013, -122.6958
Hunter-Lab	66.7396, -30.1578, -18.3472

Details

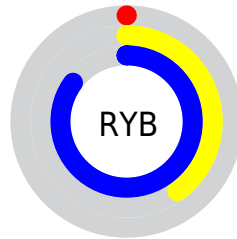
The Yxy color **44.5418, 0.2157, 0.2966** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.4849, 0.6330, 0.3356**, and the grayscale version is **26.0732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5964, 0.2400, 0.3265**, and **21.9903, 0.2134, 0.2882** is the 20% darker color. If you saturate the color by 10%, you get **44.5467, 0.2157, 0.2966**, and if you desaturate by 10%, it is **45.7160, 0.2181, 0.3000**.

Distribution



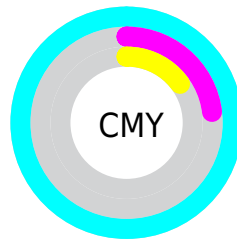
- Red (0%)
- Green (77%)
- Blue (85%)



- Red (0%)
- Yellow (40%)
- Blue (85%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (14%)




- Cyan (100%)
- Magenta (23%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5418, 0.2157, 0.2966 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 44.5418, 0.2157, 0.2966 by changing the saturation by 10% instead.

 44.5418, 0.2157,
0.2966

 44.5418, 0.2157,
0.2966


364.9147, 0.2625,
0.3145

 31.0967, 0.2047,
0.2917


 82.0324, 0.2322,
0.3034


 20.6725, 0.1910,
0.2853


 106.8467, 0.2386,
0.3059


 12.8848, 0.1735,
0.2764


 136.2194, 0.2440,
0.3079

 7.3493, 0.1508,
0.2635

 170.5351, 0.2487,
0.3097

 3.6815, 0.1204,
0.2437

 210.1781, 0.2528,
0.3111

 1.4970, 0.0749,
0.2120

255.5327, 0.2564,

 0.2866, 0.0000,

0.3124

0.1149

306.9834, 0.2596,
0.3135

■ 0.0000, 0.0000,
0.0000

■ 44.5418, 0.2157,
0.2966

■ 44.5418, 0.2157,
0.2966

■ 44.5467, 0.2157,
0.2966

■ 45.7160, 0.2181,
0.3000

■ 47.0900, 0.2219,
0.3035

■ 48.7314, 0.2276,
0.3070

■ 50.6751, 0.2353,
0.3105

■ 52.9507, 0.2448,
0.3140

■ 55.5841, 0.2560,
0.3174

■ 58.5985, 0.2687,
0.3206

■ 62.0152, 0.2826,
0.3236

■ 65.8538, 0.2974,
0.3264

Harmonies

Analogous

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



44.5418, 0.2409, 0.3517



44.5418, 0.2157, 0.2966



44.5418, 0.2139, 0.2580

Triad

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



44.5418, 0.2157, 0.2966



44.5418, 0.3327, 0.2676



44.5418, 0.3910, 0.4218

Complementary

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



44.5418, 0.2157, 0.2966



15.4849, 0.6330, 0.3356

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.



44.5418, 0.4211, 0.3888



44.5418, 0.2157, 0.2966



44.5418, 0.3870, 0.3031

Square

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



44.5418, 0.2157, 0.2966



44.5418, 0.2770, 0.2455



44.5418, 0.4205, 0.3460



44.5418, 0.3412, 0.4306

Rectangle

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



44.5418, 0.2157, 0.2966



44.5418, 0.2256, 0.2444



44.5418, 0.4205, 0.3460



44.5418, 0.4038, 0.4127

Sweetspot

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



44.5467, 0.2157, 0.2966



83.4326, 0.2684, 0.3205



50.2160, 0.2983, 0.5939



17.4534, 0.2628, 0.3191



0.0000, 0.0000, 0.0000



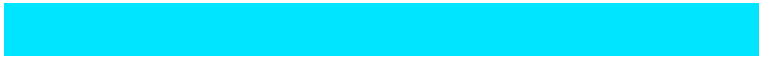
21.4041, 0.3127, 0.3290

Same Dimension

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



44.5467, 0.2157, 0.2966



63.3927, 0.2156, 0.2963



11.9144, 0.1679, 0.1244



14.5930, 0.2982, 0.3266



26.7709, 0.2159, 0.2971



1.8006, 0.2174, 0.3027

Inverse Universe

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



18.8960, 0.3484, 0.1693



26.9307, 0.3487, 0.1694



31.0941, 0.5130, 0.4309



13.2510, 0.3153, 0.3082



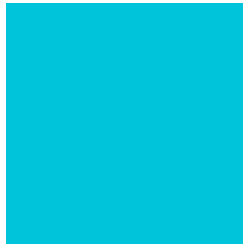
11.3263, 0.3480, 0.1691



0.7405, 0.3430, 0.1663

Previews

White Background



This preview shows how the Yxy color 44.5418, 0.2157, 0.2966 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 44.5418, 0.2157, 0.2966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

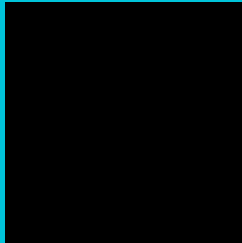
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.5418, 0.2157, 0.2966

Background



This preview shows how black text looks on a background with the Yxy color 44.5418, 0.2157, 0.2966.



This preview shows how white text looks on a background with the Yxy color 44.5418, 0.2157, 0.2966.

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

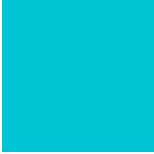
44.5418, 0.2157, 0.2966

Protanopia

43.7902, 0.2876, 0.2913

Deuteranopia

43.7609, 0.2726, 0.2660



Tritanopia

44.6860, 0.2185, 0.3066

Trichromacy



Original Color

44.5418, 0.2157, 0.2966



Protanomaly

41.7216, 0.2430, 0.2917



Deuteranomaly

41.4564, 0.2357, 0.2732



Tritanomaly

44.7875, 0.2177, 0.3037

Monochromacy



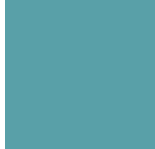
Original Color

44.5418, 0.2157, 0.2966



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

30.0926, 0.2489, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5418, 0.2157, 0.2966 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 218) }
```

Border

The CSS property to change the border of an element to Yxy 44.5418, 0.2157, 0.2966 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, 218) }
```

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

```
.border{ border-color:rgb(0, 196, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5418, 0.2157, 0.2966 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, 218) }
```

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

```
.background{ background-color: rgb(0, 196,  
218) }
```

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