

Converting Colors

$Y_{xy}(45.3367, 0.1562, 0.2934)$

Have a look what the booklet for
Yxy(45.3367, 0.1562, 0.2934)
contains.

Yxy(52.5290, 0.2159, 0.2974)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.5290, 0.2159, 0.2974)

Conversions

Conversions Part 1

Format	Color
Hex	00D3EA
RGB	0, 211, 234
RGB Percent	0%, 83%, 92%
CMY	1.0000, 0.1725, 0.0824
CMYK	1.00, 0.10, 0.00, 0.08
HSL	186°, 100%, 46%
HSV	186°, 100%, 92%
XYZ	38.1339, 52.5290, 85.9646
YIQ	150.5330, -133.1390, -37.5790

Conversions

Conversions Part 2

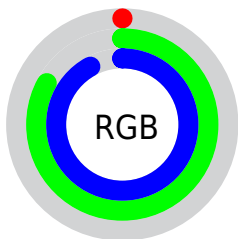
Format	Color
RYB	0, 111, 234
Decimal	54250
CIELab	77.60, -34.66, -23.48
CIELCh	78, 41.860, 214.113
Yxy	52.5290, 0.2159, 0.2974
Android (android.graphics.Color)	4278244330 (0xFF00D3EA)
YUV	150.5330, 41.1492, -132.0174
Hunter-Lab	72.4769, -32.9164, -19.5898

Details

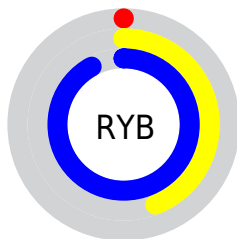
The Yxy color **52.5290, 0.2159, 0.2974** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.1029, 0.6337, 0.3351**, and the grayscale version is **30.6060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **26.9913, 0.2138, 0.2896** is the 20% darker color. If you saturate the color by 10%, you get **52.5379, 0.2160, 0.2974**, and if you desaturate by 10%, it is **53.8747, 0.2182, 0.3007**.

Distribution



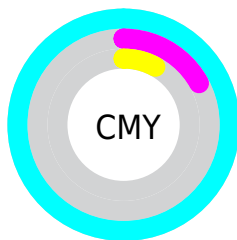
- Red (0%)
- Green (83%)
- Blue (92%)



- Red (0%)
- Yellow (44%)
- Blue (92%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (8%)




- Cyan (100%)
- Magenta (17%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.5290, 0.2159, 0.2974 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 52.5290, 0.2159, 0.2974 by changing the saturation by 10% instead.


 52.5290, 0.2159,
0.2974


 52.5290, 0.2159,
0.2974


396.4755, 0.2613,
0.3144

 37.4269, 0.2056,
0.2929


 93.9109, 0.2317,
0.3038

 25.5382, 0.1928,
0.2871


 120.9596, 0.2378,
0.3061

 16.4785, 0.1769,
0.2792


 152.7592, 0.2431,
0.3081

 9.8634, 0.1564,
0.2680

 189.6941, 0.2477,
0.3097

 5.3085, 0.1297,
0.2515

 232.1488, 0.2517,
0.3112

 2.4294, 0.0942,
0.2252

280.5077, 0.2553,

 0.8409, 0.0000,

0.3124

0.1896

335.1551, 0.2584,
0.3135

■ 0.0000, 0.0000,
0.0000

■ 52.5290, 0.2159,
0.2974

■ 52.5290, 0.2159,
0.2974

■ 52.5379, 0.2160,
0.2974

■ 53.8747, 0.2182,
0.3007

■ 55.4535, 0.2220,
0.3041

■ 57.3461, 0.2276,
0.3076

■ 59.5943, 0.2352,
0.3110

■ 62.2333, 0.2447,
0.3144

■ 65.2940, 0.2559,
0.3176

■ 68.8039, 0.2686,
0.3208

■ 72.7884, 0.2825,
0.3237

■ 77.2708, 0.2973,
0.3265

Harmonies

Analogous

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



52.5290, 0.2415, 0.3527



52.5290, 0.2159, 0.2974



52.5290, 0.2137, 0.2584

Triad

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



52.5290, 0.2159, 0.2974



52.5290, 0.3318, 0.2671



52.5290, 0.3917, 0.4214

Complementary

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



52.5290, 0.2159, 0.2974



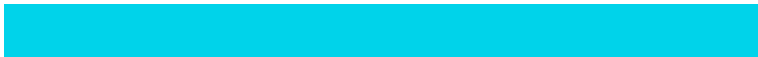
18.1029, 0.6337, 0.3351

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.



52.5290, 0.4214, 0.3882



52.5290, 0.2159, 0.2974



52.5290, 0.3863, 0.3024

Square

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



52.5290, 0.2159, 0.2974



52.5290, 0.2762, 0.2452



52.5290, 0.4202, 0.3452



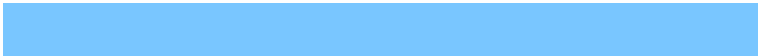
52.5290, 0.3421, 0.4308

Rectangle

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



52.5290, 0.2159, 0.2974



52.5290, 0.2251, 0.2446



52.5290, 0.4202, 0.3452



52.5290, 0.4044, 0.4122

Sweetspot

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



52.5379, 0.2160, 0.2974



83.5653, 0.2684, 0.3207



58.8902, 0.2988, 0.5956



17.4856, 0.2629, 0.3194



0.0000, 0.0000, 0.0000



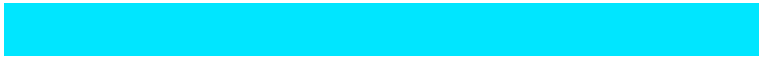
21.4041, 0.3127, 0.3290

Same Dimension

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



52.5379, 0.2160, 0.2974



63.7933, 0.2159, 0.2973



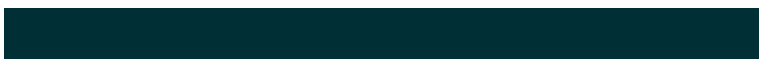
14.5816, 0.1691, 0.1286



16.8543, 0.2981, 0.3266



29.6301, 0.2161, 0.2979



2.4000, 0.2174, 0.3026

Inverse Universe

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



22.1953, 0.3477, 0.1689



26.9711, 0.3478, 0.1690



35.2394, 0.5183, 0.4267



15.2868, 0.3153, 0.3080



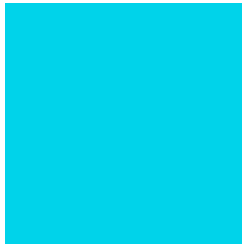
12.4840, 0.3472, 0.1687



0.9877, 0.3431, 0.1664

Previews

White Background



This preview shows how the Yxy color 52.5290, 0.2159, 0.2974 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 52.5290, 0.2159, 0.2974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

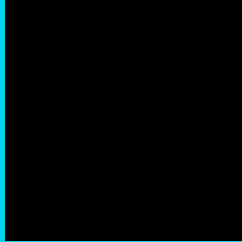
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.5290, 0.2159, 0.2974

Background



This preview shows how black text looks on a background with the Yxy color 52.5290, 0.2159, 0.2974.



This preview shows how white text looks on a background with the Yxy color 52.5290, 0.2159, 0.2974.

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

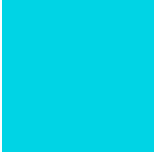
52.5290, 0.2159, 0.2974

Protanopia

51.8240, 0.2878, 0.2925

Deuteranopia

51.8399, 0.2731, 0.2678



Tritanopia

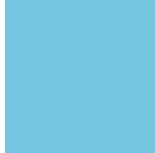
52.7441, 0.2182, 0.3053

Trichromacy



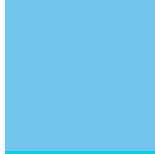
Original Color

52.5290, 0.2159, 0.2974



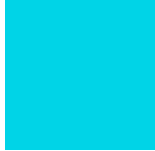
Protanomaly

49.1659, 0.2435, 0.2928



Deuteranomaly

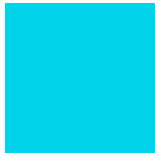
49.3073, 0.2360, 0.2755



Tritanomaly

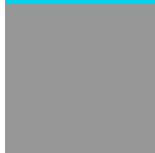
52.8565, 0.2174, 0.3027

Monochromacy



Original Color

52.5290, 0.2159, 0.2974



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

35.7101, 0.2489, 0.3162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5290, 0.2159, 0.2974 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, 211, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 211, 234)  
}
```

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, 211, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 211, 234) }
```

Border

The CSS property to change the border of an element to Yxy 52.5290, 0.2159, 0.2974 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, 211, 234) }
```

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

```
.border{ border-color:rgb(0, 211, 234) }
```

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

Here you see how a box with a 4 pixel rgb(0, 211, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 211, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 211, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 211,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5290, 0.2159, 0.2974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 211, 234) }
```

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

```
.background{ background-color: rgb(0, 211,  
234) }
```

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