

Converting Colors

$Y_{xy}(38.7606, 0.1770, 0.2854)$

Have a look what the booklet for
Yxy(38.7606, 0.1770, 0.2854)
contains.

| | |
|---|----|
| Yxy(42.8137, 0.2137, 0.2892) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(42.8137, 0.2137, 0.2892)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 01C0DB |
| RGB | 1, 192, 219 |
| RGB Percent | 0%, 75%, 86% |
| CMY | 0.9980, 0.2471, 0.1413 |
| CMYK | 1.00, 0.12, 0.00, 0.14 |
| HSL | 187°, 100%, 43% |
| HSV | 187°, 100%, 86% |
| XYZ | 31.6365, 42.8137, 73.5916 |
| YIQ | 137.9690, -122.5030, -32.0950 |

Conversions

Conversions Part 2

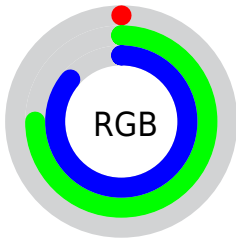
| Format | Color |
|-------------------------------------|---------------------------------|
| R _{YB} | 1, 103, 219 |
| Decimal | 114907 |
| CIE Lab | 71.43, -30.33, -24.78 |
| CIE LCh | 71, 39.167, 219.245 |
| Yxy | 42.8137, 0.2137, 0.2892 |
| Android (android.graphics.Color) | 4278304987 (0xFF01C0DB) |
| YUV | 137.9690, 39.9483, -120.1218 |
| Hunter-Lab | 65.4322, -28.2013, -20.8810 |

Details

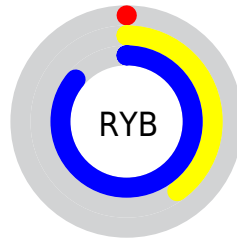
The Yxy color **42.8137, 0.2137, 0.2892** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **15.8621, 0.6302, 0.3376**, and the grayscale version is **25.2224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0972, 0.2389, 0.3218**, and **20.8573, 0.2106, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **42.7845, 0.2136, 0.2891**, and if you desaturate by 10%, it is **44.1852, 0.2163, 0.2935**.

Distribution



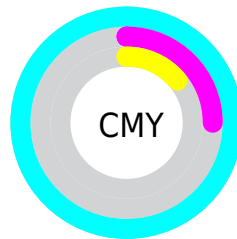
- Red (0%)
- Green (75%)
- Blue (86%)



- Red (0%)
- Yellow (40%)
- Blue (86%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (14%)





- Cyan (100%)
- Magenta (25%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8137, 0.2137, 0.2892 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 42.8137, 0.2137, 0.2892 by changing the saturation by 10% instead.


 42.8137, 0.2137,
0.2892

 42.8137, 0.2137,
0.2892


357.8451, 0.2617,
0.3108


 29.7390, 0.2024,
0.2834


 79.4297, 0.2307,
0.2974

 19.6405, 0.1883,
0.2757


 103.7397, 0.2372,
0.3004


 12.1340, 0.1703,
0.2652


 132.5636, 0.2428,
0.3029

 6.8350, 0.1469,
0.2503


 166.2857, 0.2476,
0.3050

 3.3591, 0.1158,
0.2275

 205.2906, 0.2518,
0.3067

 1.3220, 0.0672,
0.1922

249.9625, 0.2555,

 0.1581, 0.0000,

0.3083

0.0659

300.6858, 0.2587,
0.3096

■ 0.0000, 0.0000,
0.0000

■ 42.8137, 0.2137,
0.2892

■ 42.8137, 0.2137,
0.2892

■ 42.7845, 0.2136,
0.2891

■ 44.1852, 0.2163,
0.2935

■ 45.7721, 0.2205,
0.2978

■ 47.6370, 0.2266,
0.3021

■ 49.8153, 0.2346,
0.3065

■ 52.3368, 0.2444,
0.3107

■ 55.2276, 0.2559,
0.3149

■ 58.5113, 0.2688,
0.3188

■ 62.2092, 0.2829,
0.3225

■ 66.3412, 0.2977,
0.3259

Harmonies

Analogous

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



42.8137, 0.2354, 0.3427



42.8137, 0.2137, 0.2892



42.8137, 0.2155, 0.2538

Triad

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



42.8137, 0.2137, 0.2892



42.8137, 0.3417, 0.2722



42.8137, 0.3843, 0.4253

Complementary

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



42.8137, 0.2137, 0.2892



15.8621, 0.6302, 0.3376

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.



42.8137, 0.4184, 0.3950



42.8137, 0.2137, 0.2892



42.8137, 0.3942, 0.3094

Square

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



42.8137, 0.2137, 0.2892



42.8137, 0.2849, 0.2477



42.8137, 0.4230, 0.3528



42.8137, 0.3326, 0.4292

Rectangle

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



42.8137, 0.2137, 0.2892



42.8137, 0.2295, 0.2425



42.8137, 0.4230, 0.3528



42.8137, 0.3983, 0.4174

Sweetspot

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



42.8152, 0.2137, 0.2892



82.3861, 0.2682, 0.3186



50.7243, 0.2979, 0.5921



17.1996, 0.2626, 0.3169



0.0000, 0.0000, 0.0000



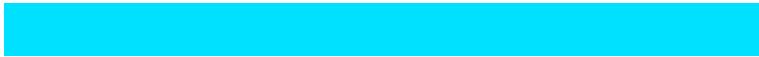
21.4041, 0.3127, 0.3290

Same Dimension

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



42.8152, 0.2137, 0.2892



60.2741, 0.2135, 0.2887



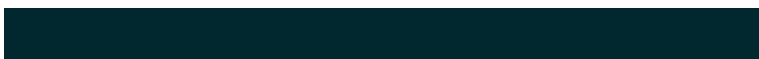
11.4957, 0.1667, 0.1199



14.5409, 0.2982, 0.3260



25.4872, 0.2138, 0.2898



1.7299, 0.2158, 0.2967

Inverse Universe

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



18.8719, 0.3550, 0.1730



26.6159, 0.3555, 0.1732



32.4470, 0.5079, 0.4348



13.2457, 0.3157, 0.3088



11.1967, 0.3546, 0.1727



0.7333, 0.3483, 0.1692

Previews

White Background



This preview shows how the Yxy color 42.8137, 0.2137, 0.2892 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 42.8137, 0.2137, 0.2892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

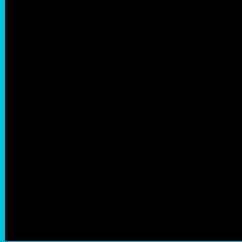
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8137, 0.2137, 0.2892

Background



This preview shows how black text looks on a background with the Yxy color 42.8137, 0.2137, 0.2892.

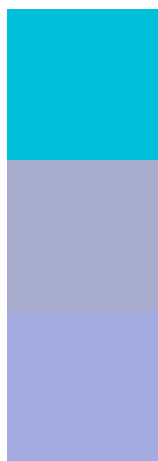


This preview shows how white text looks on a background with the Yxy color 42.8137, 0.2137, 0.2892.

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

42.8202, 0.2137, 0.2892

Protanopia

42.1283, 0.2827, 0.2856

Deuteranopia

42.4002, 0.2672, 0.2615



Tritanopia

42.7434, 0.2180, 0.3047

Trichromacy



Original Color

42.8202, 0.2137, 0.2892



Protanomaly

39.9575, 0.2397, 0.2843



Deuteranomaly

40.5174, 0.2331, 0.2688



Tritanomaly

42.9440, 0.2164, 0.2990

Monochromacy



Original Color

42.8202, 0.2137, 0.2892



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.3184, 0.2483, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8137, 0.2137, 0.2892 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, 192, 219)` looks like.

```
.text, #text, p{  
    color:rgb(1, 192, 219)  
}
```

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, 192, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 192, 219) }
```

Border

The CSS property to change the border of an element to Yxy 42.8137, 0.2137, 0.2892 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, 192, 219) }
```

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

```
.border{ border-color:rgb(1, 192, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 192, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 192, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 192, 219);  
box-shadow:4px 4px 4px 4px rgb(1, 192,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8137, 0.2137, 0.2892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 192, 219) }
```

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

```
.background{ background-color: rgb(1, 192,  
219) }
```

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