

Converting Colors

$Y_{xy}(46.9430, 0.2133, 0.2878)$

Have a look what the booklet for
Yxy(46.9430, 0.2133, 0.2878)
contains.

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Color

Yxy(46.9657, 0.2133, 0.2879)

Conversions

Conversions Part 1

Format	Color
Hex	00C8E5
RGB	0, 200, 229
RGB Percent	0%, 78%, 90%
CMY	1.0000, 0.2157, 0.1019
CMYK	1.00, 0.13, 0.00, 0.10
HSL	188°, 100%, 45%
HSV	188°, 100%, 90%
XYZ	34.7961, 46.9657, 81.3702
YIQ	143.5060, -128.5090, -33.3810

Conversions

Conversions Part 2

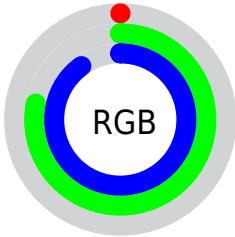
Format	Color
RYB	0, 107, 229
Decimal	51429
CIELab	74.17, -30.97, -26.03
CIELCh	74, 40.458, 220.051
Yxy	46.9657, 0.2133, 0.2879
Android (android.graphics.Color)	4278241509 (0xFF00C8E5)
YUV	143.5060, 42.1485, -125.8548
Hunter-Lab	68.5315, -29.2990, -22.4253

Details

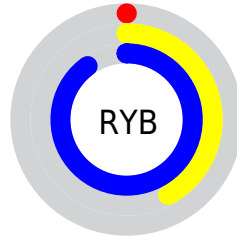
The Yxy color **46.9657, 0.2133, 0.2879** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **17.5397, 0.6305, 0.3376**, and the grayscale version is **27.5495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **23.5749, 0.2108, 0.2789** is the 20% darker color. If you saturate the color by 10%, you get **46.9688, 0.2133, 0.2879**, and if you desaturate by 10%, it is **48.5064, 0.2159, 0.2923**.

Distribution



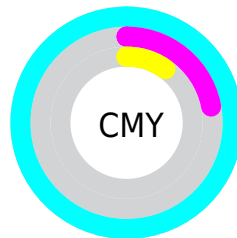
- Red (0%)
- Green (78%)
- Blue (90%)



- Red (0%)
- Yellow (42%)
- Blue (90%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (10%)




- Cyan (100%)
- Magenta (22%)
- Yellow (10%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9657, 0.2133, 0.2879 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 46.9657, 0.2133, 0.2879 by changing the saturation by 10% instead.


 46.9657, 0.2133,
0.2879


 46.9657, 0.2133,
0.2879


 374.6776, 0.2607,
0.3098


 33.0085, 0.2023,
0.2821


 85.6624, 0.2299,
0.2961


 22.1330, 0.1888,
0.2746


 111.1708, 0.2363,
0.2991


 13.9547, 0.1717,
0.2645


 141.2983, 0.2418,
0.3017

 8.0891, 0.1496,
0.2503

 176.4294, 0.2466,
0.3038

 4.1520, 0.1206,
0.2292

 216.9485, 0.2508,
0.3056

 1.7590, 0.0820,
0.1962

 263.2400, 0.2544,

 0.4614, 0.0000,

0.3072

0.1310

315.6882, 0.2577,
0.3086

■ 0.0000, 0.0000,
0.0000

■ 46.9657, 0.2133,
0.2879

■ 46.9657, 0.2133,
0.2879

■ 46.9688, 0.2133,
0.2879

■ 48.5064, 0.2159,
0.2923

■ 50.2840, 0.2200,
0.2967

■ 52.3702, 0.2261,
0.3012

■ 54.8048, 0.2341,
0.3057

■ 57.6212, 0.2439,
0.3101

■ 60.8489, 0.2554,
0.3143

■ 64.5140, 0.2684,
0.3184

■ 68.6406, 0.2824,
0.3222

■ 73.2509, 0.2973,
0.3258

Harmonies

Analogous

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



46.9657, 0.2344, 0.3412



46.9657, 0.2133, 0.2879



46.9657, 0.2158, 0.2530

Triad

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



46.9657, 0.2133, 0.2879



46.9657, 0.3433, 0.2730



46.9657, 0.3832, 0.4260

Complementary

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



46.9657, 0.2133, 0.2879



17.5397, 0.6305, 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.



46.9657, 0.4180, 0.3961



46.9657, 0.2133, 0.2879



46.9657, 0.3955, 0.3105

Square

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



46.9657, 0.2133, 0.2879



46.9657, 0.2863, 0.2480



46.9657, 0.4235, 0.3540



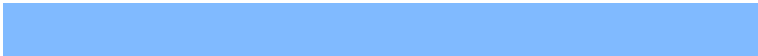
46.9657, 0.3312, 0.4290

Rectangle

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



46.9657, 0.2133, 0.2879



46.9657, 0.2302, 0.2421



46.9657, 0.4235, 0.3540



46.9657, 0.3974, 0.4182

Sweetspot

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



46.9688, 0.2133, 0.2879



82.2365, 0.2681, 0.3183



56.1248, 0.2979, 0.5926



17.1633, 0.2625, 0.3166



0.0000, 0.0000, 0.0000



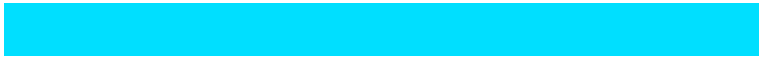
21.4041, 0.3127, 0.3290

Same Dimension

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



46.9688, 0.2133, 0.2879



59.8342, 0.2132, 0.2877



12.6029, 0.1664, 0.1190



16.0084, 0.2982, 0.3259



26.9741, 0.2135, 0.2886



2.0808, 0.2153, 0.2950

Inverse Universe

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



20.8309, 0.3562, 0.1736



26.5714, 0.3565, 0.1737



35.7770, 0.5085, 0.4344



14.5821, 0.3157, 0.3087



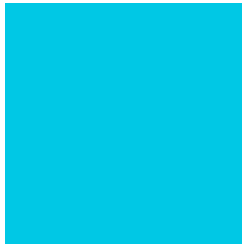
11.9208, 0.3556, 0.1733



0.8897, 0.3498, 0.1701

Previews

White Background



This preview shows how the Yxy color 46.9657, 0.2133, 0.2879 looks on a white background.

Color Contrast Check

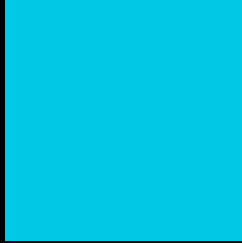
Large Text (above 18pt) WCAG AA × Fail

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 46.9657, 0.2133, 0.2879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

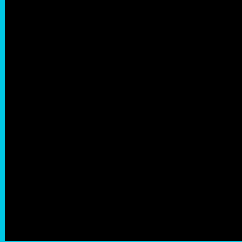
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9657, 0.2133, 0.2879

Background



This preview shows how black text looks on a background with the Yxy color 46.9657, 0.2133, 0.2879.

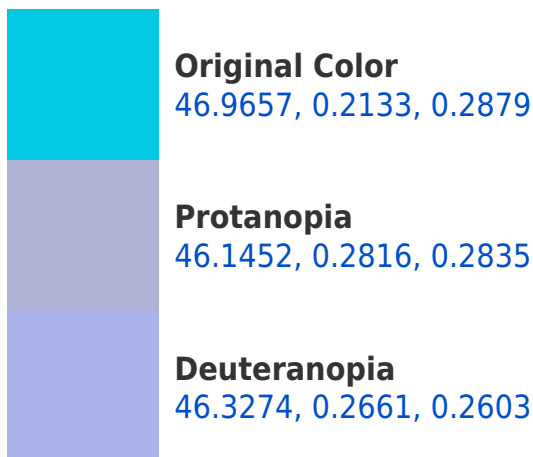


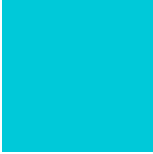
This preview shows how white text looks on a background with the Yxy color 46.9657, 0.2133, 0.2879.

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





Tritanopia

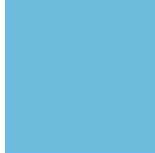
46.7830, 0.2182, 0.3056

Trichromacy



Original Color

46.9657, 0.2133, 0.2879



Protanomaly

44.0875, 0.2394, 0.2834



Deuteranomaly

44.1322, 0.2318, 0.2670



Tritanomaly

46.9937, 0.2167, 0.3000

Monochromacy



Original Color

46.9657, 0.2133, 0.2879



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

31.9214, 0.2475, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9657, 0.2133, 0.2879 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, 200, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 229)  
}
```

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, 200, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 229) }
```

Border

The CSS property to change the border of an element to Yxy 46.9657, 0.2133, 0.2879 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, 200, 229) }
```

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

```
.border{ border-color:rgb(0, 200, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 200, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 200,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9657, 0.2133, 0.2879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 229) }
```

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

```
.background{ background-color: rgb(0, 200,  
229) }
```

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](#).

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