

Converting Colors

$Yxy(45.9527, 0.1948, 0.2858)$

Have a look what the booklet for
Yxy(45.9527, 0.1948, 0.2858)
contains.

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Color

Yxy(48.0673, 0.2131, 0.2870)

Conversions

Conversions Part 1

Format	Color
Hex	01CAE8
RGB	1, 202, 232
RGB Percent	0%, 79%, 91%
CMY	0.9969, 0.2079, 0.0903
CMYK	1.00, 0.13, 0.00, 0.09
HSL	188°, 99%, 46%
HSV	188°, 100%, 91%
XYZ	35.6904, 48.0673, 83.7242
YIQ	145.3210, -129.4260, -33.2820

Conversions

Conversions Part 2

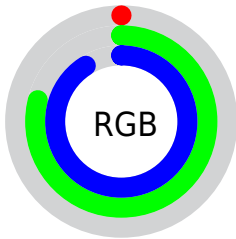
Format	Color
RYB	1, 108, 232
Decimal	117480
CIELab	74.87, -30.95, -26.56
CIELCh	75, 40.782, 220.639
Yxy	48.0673, 0.2131, 0.2870
Android (android.graphics.Color)	4278307560 (0xFF01CAE8)
YUV	145.3210, 42.7327, -126.5695
Hunter-Lab	69.3306, -29.4393, -23.0677

Details

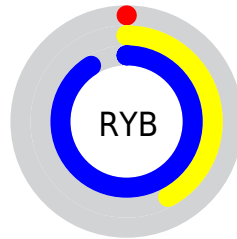
The Yxy color **48.0673, 0.2131, 0.2870** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **18.1229, 0.6296, 0.3380**, and the grayscale version is **28.2873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **24.0020, 0.2100, 0.2758** is the 20% darker color. If you saturate the color by 10%, you get **48.0151, 0.2130, 0.2868**, and if you desaturate by 10%, it is **49.6838, 0.2158, 0.2915**.

Distribution



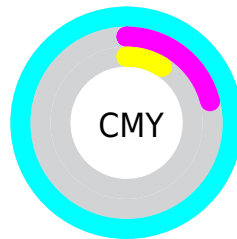
- Red (0%)
- Green (79%)
- Blue (91%)



- Red (0%)
- Yellow (42%)
- Blue (91%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (9%)




- Cyan (100%)
- Magenta (21%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0673, 0.2131, 0.2870 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 48.0673, 0.2131, 0.2870 by changing the saturation by 10% instead.


 48.0673, 0.2131,
0.2870


 48.0673, 0.2131,
0.2870

 379.0588, 0.2603,
0.3093


 33.8802, 0.2022,
0.2812


 87.3046, 0.2296,
0.2953


 22.8016, 0.1888,
0.2736


 113.1236, 0.2360,
0.2984


 14.4471, 0.1719,
0.2635


 143.5886, 0.2415,
0.3009

 8.4323, 0.1502,
0.2494

 179.0841, 0.2463,
0.3031

 4.3728, 0.1217,
0.2286

 219.9945, 0.2504,
0.3050

 1.8842, 0.0842,
0.1962

266.7042, 0.2541,

 0.5388, 0.0000,

0.3066

0.1393

319.5975, 0.2574,
0.3080

■ 0.0000, 0.0000,
0.0000

■ 48.0673, 0.2131,
0.2870

■ 48.0673, 0.2131,
0.2870

■ 48.0151, 0.2130,
0.2868

■ 49.6838, 0.2158,
0.2915

■ 51.5520, 0.2200,
0.2961

■ 53.7411, 0.2261,
0.3007

■ 56.2918, 0.2342,
0.3053

■ 59.2384, 0.2442,
0.3098

■ 62.6111, 0.2558,
0.3141

■ 66.4370, 0.2688,
0.3183

■ 70.7407, 0.2829,
0.3222

■ 75.5452, 0.2978,
0.3258

Harmonies

Analogous

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



48.0673, 0.2338, 0.3400



48.0673, 0.2131, 0.2870



48.0673, 0.2160, 0.2526

Triad

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



48.0673, 0.2131, 0.2870



48.0673, 0.3445, 0.2736



48.0673, 0.3823, 0.4264

Complementary

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



48.0673, 0.2131, 0.2870



18.1229, 0.6296, 0.3380

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.



48.0673, 0.4176, 0.3969



48.0673, 0.2131, 0.2870



48.0673, 0.3963, 0.3113

Square

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



48.0673, 0.2131, 0.2870



48.0673, 0.2874, 0.2483



48.0673, 0.4238, 0.3549



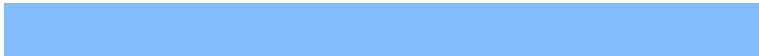
48.0673, 0.3301, 0.4287

Rectangle

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



48.0673, 0.2131, 0.2870



48.0673, 0.2308, 0.2419



48.0673, 0.4238, 0.3549



48.0673, 0.3967, 0.4188

Sweetspot

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



48.0690, 0.2131, 0.2870



82.0962, 0.2681, 0.3181



57.7893, 0.2979, 0.5923



17.1294, 0.2625, 0.3163



0.0000, 0.0000, 0.0000



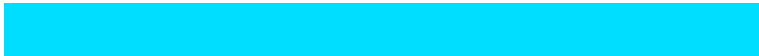
21.4041, 0.3127, 0.3290

Same Dimension

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



48.0690, 0.2131, 0.2870



59.4235, 0.2130, 0.2866



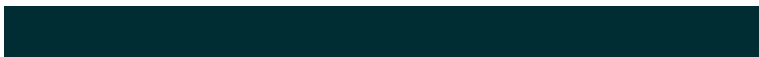
13.0450, 0.1666, 0.1196



16.0006, 0.2982, 0.3259



26.7933, 0.2132, 0.2876



2.0692, 0.2151, 0.2942

Inverse Universe

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



21.4337, 0.3570, 0.1742



26.5300, 0.3574, 0.1742



36.9076, 0.5081, 0.4345



14.5814, 0.3158, 0.3088



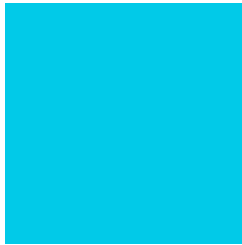
11.9025, 0.3565, 0.1738



0.8886, 0.3506, 0.1705

Previews

White Background



This preview shows how the Yxy color 48.0673, 0.2131, 0.2870 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 48.0673, 0.2131, 0.2870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

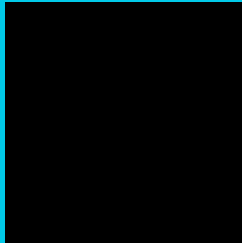
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0673, 0.2131, 0.2870

Background



This preview shows how black text looks on a background with the Yxy color 48.0673, 0.2131, 0.2870.

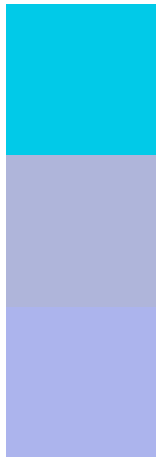


This preview shows how white text looks on a background with the Yxy color 48.0673, 0.2131, 0.2870.

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

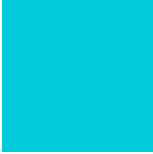
48.0737, 0.2131, 0.2870

Protanopia

47.2237, 0.2805, 0.2827

Deuteranopia

47.5276, 0.2659, 0.2599



Tritanopia

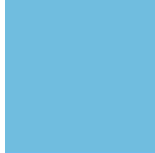
47.8792, 0.2179, 0.3044

Trichromacy



Original Color

48.0737, 0.2131, 0.2870



Protanomaly

45.1676, 0.2389, 0.2825



Deuteranomaly

45.2796, 0.2319, 0.2664



Tritanomaly

48.0937, 0.2164, 0.2990

Monochromacy



Original Color

48.0737, 0.2131, 0.2870



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.7739, 0.2475, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0673, 0.2131, 0.2870 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, 202, 232)` looks like.

```
.text, #text, p{  
    color:rgb(1, 202, 232)  
}
```

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, 202, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 202, 232) }
```

Border

The CSS property to change the border of an element to Yxy 48.0673, 0.2131, 0.2870 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, 202, 232) }
```

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

```
.border{ border-color:rgb(1, 202, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 202, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(1, 202, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(1, 202, 232); box-shadow:4px 4px 4px 4px rgb(1, 202, 232) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0673, 0.2131, 0.2870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 202, 232) }
```

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

```
.background{ background-color: rgb(1, 202,  
232) }
```

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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