

Converting Colors

$Y_{xy}(49.2482, 0.2124, 0.3082)$

Have a look what the booklet for
Yxy(49.2482, 0.2124, 0.3082)
contains.

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Color

Yxy(49.8996, 0.2188, 0.3075)

Conversions

Conversions Part 1

Format	Color
Hex	01CFDE
RGB	1, 207, 222
RGB Percent	0%, 81%, 87%
CMY	0.9965, 0.1883, 0.1294
CMYK	1.00, 0.07, 0.00, 0.13
HSL	184°, 99%, 44%
HSV	184°, 100%, 87%
XYZ	35.5058, 49.8996, 76.8697
YIQ	147.1160, -127.5910, -39.0070

Conversions

Conversions Part 2

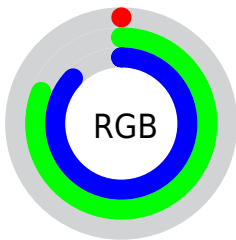
Format	Color
RYB	1, 108, 222
Decimal	118750
CIELab	76.01, -36.48, -19.45
CIELCh	76, 41.346, 208.065
Yxy	49.8996, 0.2188, 0.3075
Android (android.graphics.Color)	4278308830 (0xFF01CFDE)
YUV	147.1160, 36.9178, -128.1437
Hunter-Lab	70.6396, -33.8995, -15.0713

Details

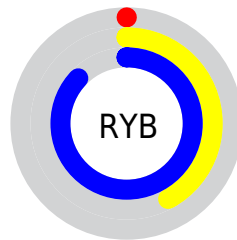
The Yxy color **49.8996, 0.2188, 0.3075** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.9002, 0.6354, 0.3333**, and the grayscale version is **29.0962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **25.2465, 0.2169, 0.3008** is the 20% darker color. If you saturate the color by 10%, you get **49.8662, 0.2187, 0.3074**, and if you desaturate by 10%, it is **50.8128, 0.2208, 0.3098**.

Distribution



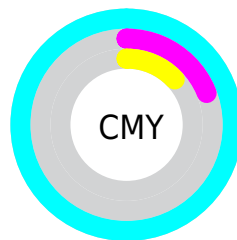
- Red (0%)
- Green (81%)
- Blue (87%)



- Red (0%)
- Yellow (42%)
- Blue (87%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (13%)





- Cyan (100%)
- Magenta (19%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8996, 0.2188, 0.3075 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 49.8996, 0.2188, 0.3075 by changing the saturation by 10% instead.


 49.8996, 0.2188,
0.3075


 49.8996, 0.2188,
0.3075


386.2732, 0.2634,
0.3197

 35.3336, 0.2085,
0.3041


 90.0261, 0.2344,
0.3122


 23.9200, 0.1957,
0.2996


 116.3554, 0.2405,
0.3139


 15.2743, 0.1795,
0.2933


 147.3746, 0.2456,
0.3153

 9.0121, 0.1585,
0.2841

 183.4682, 0.2501,
0.3165

 4.7491, 0.1306,
0.2698

 225.0204, 0.2541,
0.3175

 2.1008, 0.0928,
0.2456

272.4157, 0.2576,

 0.6651, 0.0000,

0.3183

0.2054

326.0385, 0.2606,
0.3190

■ 0.0000, 0.0000,
0.0000

■ 49.8996, 0.2188,
0.3075

■ 49.8996, 0.2188,
0.3075

■ 49.8662, 0.2187,
0.3074

■ 50.8128, 0.2208,
0.3098

■ 51.9350, 0.2243,
0.3121

■ 53.3292, 0.2296,
0.3144

■ 55.0317, 0.2369,
0.3167

■ 57.0732, 0.2461,
0.3190

■ 59.4806, 0.2571,
0.3212

■ 62.2781, 0.2695,
0.3234

■ 65.4877, 0.2833,
0.3254

■ 69.1298, 0.2980,
0.3273

Harmonies

Analogous

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



49.8996, 0.2490, 0.3645



49.8996, 0.2188, 0.3075



49.8996, 0.2118, 0.2642

Triad

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



49.8996, 0.2188, 0.3075



49.8996, 0.3200, 0.2611



49.8996, 0.4001, 0.4165

Complementary

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



49.8996, 0.2188, 0.3075



15.9002, 0.6354, 0.3333

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.



49.8996, 0.4244, 0.3801



49.8996, 0.2188, 0.3075



49.8996, 0.3766, 0.2943

Square

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



49.8996, 0.2188, 0.3075



49.8996, 0.2661, 0.2425



49.8996, 0.4163, 0.3364



49.8996, 0.3532, 0.4321

Rectangle

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



49.8996, 0.2188, 0.3075



49.8996, 0.2202, 0.2474



49.8996, 0.4163, 0.3364



49.8996, 0.4113, 0.4059

Sweetspot

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



49.9014, 0.2188, 0.3075



84.9948, 0.2687, 0.3233



52.2871, 0.2990, 0.5962



17.8329, 0.2633, 0.3224



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.



49.9014, 0.2188, 0.3075



68.1862, 0.2187, 0.3072



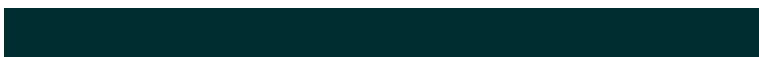
13.7757, 0.1709, 0.1350



15.4046, 0.2982, 0.3273



29.6846, 0.2188, 0.3077



2.1062, 0.2198, 0.3112

Inverse Universe

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



20.0543, 0.3389, 0.1642



27.4146, 0.3391, 0.1642



30.5028, 0.5221, 0.4234



13.9187, 0.3148, 0.3074



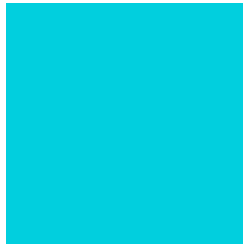
11.9047, 0.3387, 0.1639



0.8301, 0.3356, 0.1623

Previews

White Background



This preview shows how the Yxy color 49.8996, 0.2188, 0.3075 looks on a white background.

Color Contrast Check

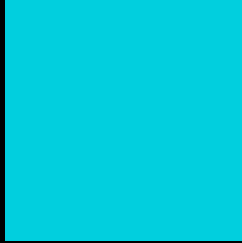
Large Text (above 18pt) WCAG AA × Fail

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 49.8996, 0.2188, 0.3075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

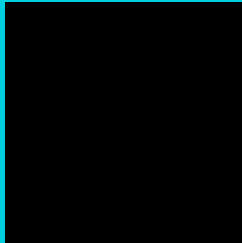
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8996, 0.2188, 0.3075

Background



This preview shows how black text looks on a background with the Yxy color 49.8996, 0.2188, 0.3075.



This preview shows how white text looks on a background with the Yxy color 49.8996, 0.2188, 0.3075.

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

49.9060, 0.2188, 0.3075

Protanopia

49.2702, 0.2946, 0.3015

Deuteranopia

49.1246, 0.2798, 0.2735



Tritanopia

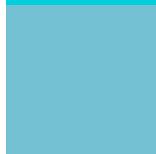
50.1008, 0.2187, 0.3048

Trichromacy



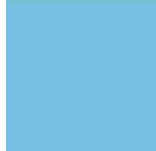
Original Color

49.9060, 0.2188, 0.3075



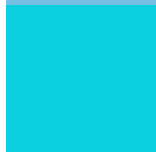
Protanomaly

46.6753, 0.2482, 0.3026



Deuteranomaly

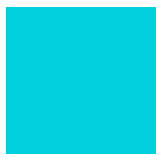
46.5345, 0.2405, 0.2819



Tritanomaly

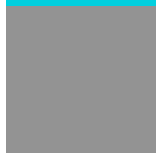
50.0114, 0.2188, 0.3062

Monochromacy



Original Color

49.9060, 0.2188, 0.3075



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

33.8116, 0.2508, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8996, 0.2188, 0.3075 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, 207, 222)` looks like.

```
.text, #text, p{  
    color:rgb(1, 207, 222)  
}
```

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, 207, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 207, 222) }
```

Border

The CSS property to change the border of an element to Yxy 49.8996, 0.2188, 0.3075 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, 207, 222) }
```

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

```
.border{ border-color:rgb(1, 207, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 207, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 207, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 207, 222);  
box-shadow:4px 4px 4px 4px rgb(1, 207,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8996, 0.2188, 0.3075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 207, 222) }
```

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

```
.background{ background-color: rgb(1, 207,  
222) }
```

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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