

Converting Colors

$Yxy(42.5606, 0.1547, 0.2785)$

Have a look what the booklet for
Yxy(42.5606, 0.1547, 0.2785)
contains.

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Color

Yxy(49.2419, 0.2125, 0.2848)

Conversions

Conversions Part 1

Format	Color
Hex	01CCEC
RGB	1, 204, 236
RGB Percent	0%, 80%, 93%
CMY	0.9958, 0.2000, 0.0745
CMYK	1.00, 0.14, 0.00, 0.07
HSL	188°, 99%, 46%
HSV	188°, 100%, 93%
XYZ	36.7412, 49.2419, 86.9168
YIQ	146.9510, -131.2600, -33.0840

Conversions

Conversions Part 2

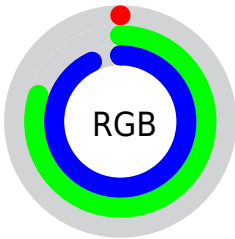
Format	Color
RYB	1, 110, 236
Decimal	117996
CIELab	75.60, -30.60, -27.60
CIELCh	76, 41.209, 222.040
Yxy	49.2419, 0.2125, 0.2848
Android (android.graphics.Color)	4278308076 (0xFF01CCEC)
YUV	146.9510, 43.9012, -127.9990
Hunter-Lab	70.1726, -29.3423, -24.3167

Details

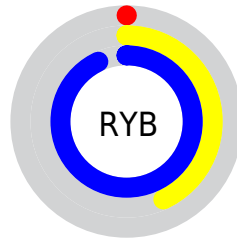
The Yxy color **49.2419, 0.2125, 0.2848** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **18.9248, 0.6287, 0.3386**, and the grayscale version is **29.0175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **24.7902, 0.2092, 0.2732** is the 20% darker color. If you saturate the color by 10%, you get **49.1680, 0.2124, 0.2846**, and if you desaturate by 10%, it is **50.9830, 0.2152, 0.2896**.

Distribution



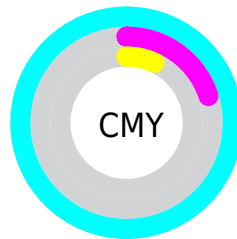
- Red (0%)
- Green (80%)
- Blue (93%)



- Red (0%)
- Yellow (43%)
- Blue (93%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (20%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2419, 0.2125, 0.2848 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 49.2419, 0.2125, 0.2848 by changing the saturation by 10% instead.


 49.2419, 0.2125,
0.2848


 49.2419, 0.2125,
0.2848


 383.6938, 0.2598,
0.3081


 34.8114, 0.2017,
0.2788


 89.0506, 0.2290,
0.2934


 23.5176, 0.1883,
0.2711


 115.1976, 0.2354,
0.2966

 14.9762, 0.1716,
0.2607


 146.0190, 0.2409,
0.2993

 8.8027, 0.1502,
0.2464

 181.8990, 0.2456,
0.3016

 4.6127, 0.1223,
0.2256

 223.2221, 0.2498,
0.3035

 2.0219, 0.0858,
0.1936

270.3727, 0.2535,

 0.6201, 0.0000,

0.3052

0.1432

323.7351, 0.2568,
0.3067

■ 0.0000, 0.0000,
0.0000

■ 49.2419, 0.2125,
0.2848

■ 49.2419, 0.2125,
0.2848

■ 49.1680, 0.2124,
0.2846

■ 50.9830, 0.2152,
0.2896

■ 52.9909, 0.2196,
0.2944

■ 55.3360, 0.2258,
0.2992

■ 58.0608, 0.2340,
0.3041

■ 61.2011, 0.2440,
0.3088

■ 64.7884, 0.2557,
0.3134

■ 68.8510, 0.2688,
0.3178

■ 73.4145, 0.2830,
0.3219

■ 78.5029, 0.2980,
0.3257

Harmonies

Analogous

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



49.2419, 0.2321, 0.3373



49.2419, 0.2125, 0.2848



49.2419, 0.2165, 0.2513

Triad

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



49.2419, 0.2125, 0.2848



49.2419, 0.3473, 0.2750



49.2419, 0.3803, 0.4274

Complementary

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



49.2419, 0.2125, 0.2848



18.9248, 0.6287, 0.3386

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.



49.2419, 0.4168, 0.3987



49.2419, 0.2125, 0.2848



49.2419, 0.3985, 0.3132

Square

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



49.2419, 0.2125, 0.2848



49.2419, 0.2898, 0.2490



49.2419, 0.4245, 0.3570



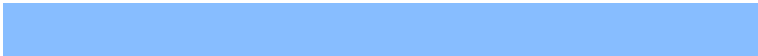
49.2419, 0.3275, 0.4282

Rectangle

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



49.2419, 0.2125, 0.2848



49.2419, 0.2320, 0.2414



49.2419, 0.4245, 0.3570



49.2419, 0.3950, 0.4202

Sweetspot

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



49.2437, 0.2125, 0.2848



81.7951, 0.2681, 0.3175



60.0987, 0.2975, 0.5905



17.0564, 0.2624, 0.3157



0.0000, 0.0000, 0.0000



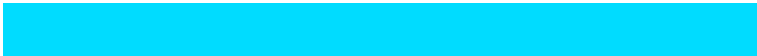
21.4041, 0.3127, 0.3290

Same Dimension

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



49.2437, 0.2125, 0.2848



58.5461, 0.2123, 0.2844



12.9118, 0.1653, 0.1149



16.7516, 0.2981, 0.3257



27.2459, 0.2126, 0.2854



2.2362, 0.2144, 0.2920

Inverse Universe

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



22.2135, 0.3590, 0.1753



26.4414, 0.3594, 0.1754



39.5986, 0.5033, 0.4383



15.2764, 0.3159, 0.3089



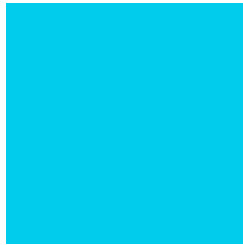
12.2433, 0.3585, 0.1749



0.9712, 0.3525, 0.1716

Previews

White Background



This preview shows how the Yxy color 49.2419, 0.2125, 0.2848 looks on a white background.

Color Contrast Check

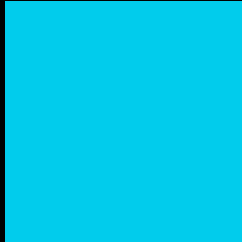
Large Text (above 18pt) WCAG AA × Fail

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 49.2419, 0.2125, 0.2848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

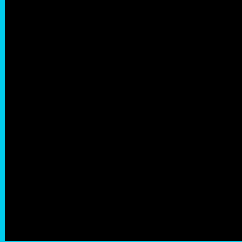
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2419, 0.2125, 0.2848

Background



This preview shows how black text looks on a background with the Yxy color 49.2419, 0.2125, 0.2848.



This preview shows how white text looks on a background with the Yxy color 49.2419, 0.2125, 0.2848.

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

49.2483, 0.2125, 0.2848

Protanopia

48.4345, 0.2801, 0.2820

Deuteranopia

48.6910, 0.2644, 0.2583



Tritanopia

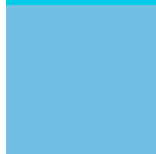
49.4165, 0.2184, 0.3061

Trichromacy



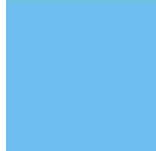
Original Color

49.2483, 0.2125, 0.2848



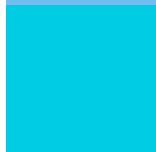
Protanomaly

46.2633, 0.2385, 0.2817



Deuteranomaly

46.3739, 0.2306, 0.2646



Tritanomaly

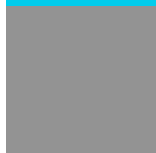
49.2087, 0.2161, 0.2979

Monochromacy



Original Color

49.2483, 0.2125, 0.2848



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

33.6396, 0.2474, 0.3111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2419, 0.2125, 0.2848 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, 204, 236)` looks like.

```
.text, #text, p{  
    color:rgb(1, 204, 236)  
}
```

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, 204, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 204, 236) }
```

Border

The CSS property to change the border of an element to Yxy 49.2419, 0.2125, 0.2848 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, 204, 236) }
```

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

```
.border{ border-color:rgb(1, 204, 236) }
```

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

Here you see how a box with a 4 pixel rgb(1, 204, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 204, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 204, 236);  
box-shadow:4px 4px 4px 4px rgb(1, 204,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2419, 0.2125, 0.2848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 204, 236) }
```

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

```
.background{ background-color: rgb(1, 204,  
236) }
```

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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