

Converting Colors

$Y_{xy}(47.4500, 0.2076, 0.2782)$

Have a look what the booklet for
Yxy(47.4500, 0.2076, 0.2782)
contains.

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Color

Yxy(47.8877, 0.2109, 0.2792)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00C9ED |
| RGB | 0, 201, 237 |
| RGB Percent | 0%, 79%, 93% |
| CMY | 0.9996, 0.2118, 0.0706 |
| CMYK | 1.00, 0.15, 0.00, 0.07 |
| HSL | 189°, 100%, 46% |
| HSV | 189°, 100%, 93% |
| XYZ | 36.1731, 47.8877, 87.4568 |
| YIQ | 145.0050, -131.3520, -31.4160 |

Conversions

Conversions Part 2

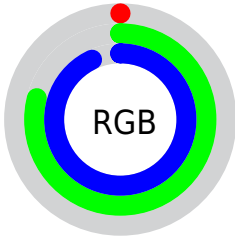
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 109, 237 |
| Decimal | 51693 |
| CIELab | 74.75, -28.84, -29.44 |
| CIELCh | 75, 41.211, 225.591 |
| Yxy | 47.8877, 0.2109, 0.2792 |
| Android (android.graphics.Color) | 4278241773 (0xFF00C9ED) |
| YUV | 145.0050, 45.3535, -127.1694 |
| Hunter-Lab | 69.2009, -27.7953, -26.4906 |

Details

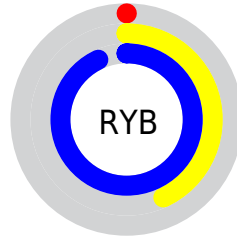
The Yxy color **47.8877, 0.2109, 0.2792** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **19.2734, 0.6274, 0.3400**, and the grayscale version is **28.1849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **24.2036, 0.2077, 0.2678** is the 20% darker color. If you saturate the color by 10%, you get **47.8806, 0.2109, 0.2792**, and if you desaturate by 10%, it is **49.7796, 0.2138, 0.2846**.

Distribution



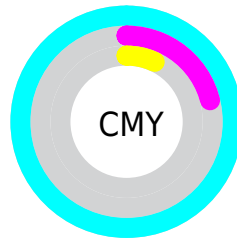
- Red (0%)
- Green (79%)
- Blue (93%)



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



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (7%)




- Cyan (100%)
- Magenta (21%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8877, 0.2109, 0.2792 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 47.8877, 0.2109, 0.2792 by changing the saturation by 10% instead.


 47.8877, 0.2109,
0.2792

 47.8877, 0.2109,
0.2792


 378.3468, 0.2591,
0.3052


 33.7380, 0.1998,
0.2725


 87.0372, 0.2277,
0.2888

 22.6924, 0.1862,
0.2640


 112.8057, 0.2342,
0.2924


 14.3665, 0.1692,
0.2526


 143.2160, 0.2398,
0.2954

 8.3760, 0.1474,
0.2369

 178.6523, 0.2447,
0.2979

 4.3365, 0.1189,
0.2143

 219.4992, 0.2490,
0.3001

 1.8635, 0.0820,
0.1801

 266.1410, 0.2527,

 0.5263, 0.0000,

0.3021

0.1223

318.9621, 0.2561,
0.3037

■ 0.0000, 0.0000,
0.0000

■ 47.8877, 0.2109,
0.2792

■ 47.8877, 0.2109,
0.2792

■ 47.8806, 0.2109,
0.2792

■ 49.7796, 0.2138,
0.2846

■ 51.9429, 0.2182,
0.2900

■ 54.4525, 0.2246,
0.2955

■ 57.3518, 0.2329,
0.3009

■ 60.6773, 0.2431,
0.3062

■ 64.4610, 0.2549,
0.3114

■ 68.7316, 0.2681,
0.3163

■ 73.5153, 0.2824,
0.3209

■ 78.8363, 0.2974,
0.3251

Harmonies

Analogous

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



47.8877, 0.2278, 0.3304



47.8877, 0.2109, 0.2792



47.8877, 0.2178, 0.2481

Triad

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



47.8877, 0.2109, 0.2792



47.8877, 0.3544, 0.2786



47.8877, 0.3751, 0.4302

Complementary

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



47.8877, 0.2109, 0.2792



19.2734, 0.6274, 0.3400

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.



47.8877, 0.4147, 0.4037



47.8877, 0.2109, 0.2792



47.8877, 0.4040, 0.3181

Square

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



47.8877, 0.2109, 0.2792



47.8877, 0.2961, 0.2506



47.8877, 0.4264, 0.3624



47.8877, 0.3209, 0.4269

Rectangle

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



47.8877, 0.2109, 0.2792



47.8877, 0.2351, 0.2399



47.8877, 0.4264, 0.3624



47.8877, 0.3906, 0.4239

Sweetspot

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



47.8894, 0.2109, 0.2792



81.0699, 0.2679, 0.3162



60.6945, 0.2970, 0.5891



16.8809, 0.2622, 0.3142



0.0000, 0.0000, 0.0000



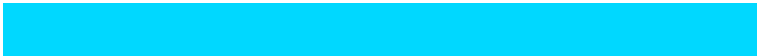
21.4041, 0.3127, 0.3290

Same Dimension

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



47.8894, 0.2109, 0.2792



56.4594, 0.2108, 0.2790



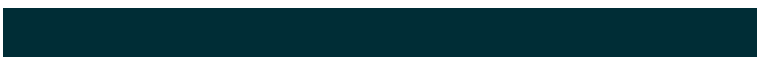
12.3054, 0.1638, 0.1097



16.7091, 0.2981, 0.3253



26.2968, 0.2111, 0.2801



2.1705, 0.2132, 0.2875

Inverse Universe

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



22.2242, 0.3642, 0.1780



26.2308, 0.3644, 0.1781



41.1458, 0.4992, 0.4418



15.2721, 0.3161, 0.3093



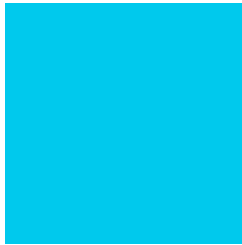
12.1475, 0.3634, 0.1776



0.9645, 0.3566, 0.1738

Previews

White Background



This preview shows how the Yxy color 47.8877, 0.2109, 0.2792 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 47.8877, 0.2109, 0.2792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

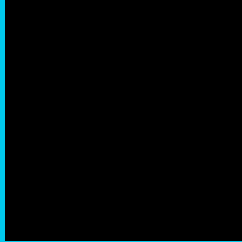
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8877, 0.2109, 0.2792

Background



This preview shows how black text looks on a background with the Yxy color 47.8877, 0.2109, 0.2792.



This preview shows how white text looks on a background with the Yxy color 47.8877, 0.2109, 0.2792.

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

47.8877, 0.2109, 0.2792

Protanopia

47.2597, 0.2756, 0.2767

Deuteranopia

47.3782, 0.2601, 0.2541



Tritanopia

47.8263, 0.2183, 0.3058

Trichromacy



Original Color

47.8877, 0.2109, 0.2792



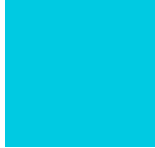
Protanomaly

44.8829, 0.2352, 0.2748



Deuteranomaly

45.3835, 0.2282, 0.2604



Tritanomaly

47.7320, 0.2152, 0.2948

Monochromacy



Original Color

47.8877, 0.2109, 0.2792



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.3999, 0.2460, 0.3077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8877, 0.2109, 0.2792 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, 201, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 237)  
}
```

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, 201, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 237) }
```

Border

The CSS property to change the border of an element to Yxy 47.8877, 0.2109, 0.2792 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, 201, 237) }
```

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

```
.border{ border-color:rgb(0, 201, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 201, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8877, 0.2109, 0.2792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 237) }
```

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

```
.background{ background-color: rgb(0, 201,  
237) }
```

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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