

Converting Colors

$Y_{xy}(47.2719, 0.2103, 0.2771)$

Have a look what the booklet for
Yxy(47.2719, 0.2103, 0.2771)
contains.

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Color

Yxy(47.4230, 0.2105, 0.2777)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00C8ED |
| RGB | 0, 200, 237 |
| RGB Percent | 0%, 78%, 93% |
| CMY | 0.9982, 0.2157, 0.0705 |
| CMYK | 1.00, 0.16, 0.00, 0.07 |
| HSL | 189°, 100%, 47% |
| HSV | 189°, 100%, 93% |
| XYZ | 35.9472, 47.4230, 87.4004 |
| YIQ | 144.4180, -131.0770, -30.8930 |

Conversions

Conversions Part 2

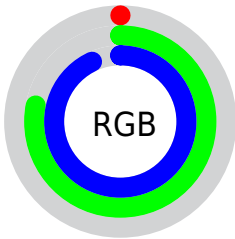
| Format | Color |
|-------------------------------------|--|
| RYB | 0, 108, 237 |
| Decimal | 51437 |
| CIELab | 74.46, -28.33, -29.91 |
| CIELCh | 74, 41.192, 226.556 |
| Yxy | 47.4230, 0.2105, 0.2777 |
| Android (android.graphics.Color) | 4278241517 (0xFF00C8ED) |
| YUV | 144.4180, 45.6429, -126.6546 |
| Hunter-Lab | 68.8644, -27.3356, -27.0439 |

Details

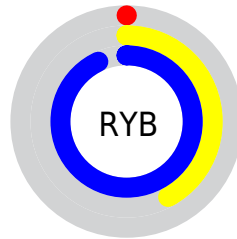
The Yxy color **47.4230, 0.2105, 0.2777** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **19.3647, 0.6264, 0.3406**, and the grayscale version is **27.9778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **23.8940, 0.2072, 0.2659** is the 20% darker color. If you saturate the color by 10%, you get **47.3881, 0.2105, 0.2776**, and if you desaturate by 10%, it is **49.3576, 0.2134, 0.2832**.

Distribution



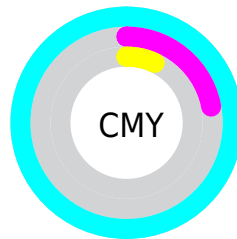
- Red (0%)
- Green (78%)
- Blue (93%)



- Red (0%)
- Yellow (42%)
- Blue (93%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (22%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4230, 0.2105, 0.2777 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 47.4230, 0.2105, 0.2777 by changing the saturation by 10% instead.


 47.4230, 0.2105,
0.2777

 47.4230, 0.2105,
0.2777


 376.5005, 0.2589,
0.3045

 33.3702, 0.1994,
0.2709


 86.3447, 0.2274,
0.2876

 22.4102, 0.1857,
0.2621


 111.9823, 0.2339,
0.2913


 14.1586, 0.1685,
0.2504


 142.2504, 0.2396,
0.2943

 8.2311, 0.1466,
0.2343

 177.5332, 0.2445,
0.2970

 4.2432, 0.1180,
0.2112

 218.2153, 0.2488,
0.2992

 1.8105, 0.0809,
0.1764

 264.6809, 0.2525,

 0.4937, 0.0000,

0.3012

0.1158

317.3145, 0.2559,
0.3029

■ 0.0000, 0.0000,
0.0000

■ 47.4230, 0.2105,
0.2777

■ 47.4230, 0.2105,
0.2777

■ 47.3881, 0.2105,
0.2776

■ 49.3576, 0.2134,
0.2832

■ 51.5683, 0.2180,
0.2888

■ 54.1285, 0.2245,
0.2945

■ 57.0814, 0.2329,
0.3001

■ 60.4635, 0.2432,
0.3056

■ 64.3069, 0.2550,
0.3109

■ 68.6402, 0.2683,
0.3160

■ 73.4896, 0.2826,
0.3207

■ 78.8794, 0.2976,
0.3251

Harmonies

Analogous

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



47.4230, 0.2267, 0.3286



47.4230, 0.2105, 0.2777



47.4230, 0.2181, 0.2473

Triad

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



47.4230, 0.2105, 0.2777



47.4230, 0.3564, 0.2796



47.4230, 0.3737, 0.4309

Complementary

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



47.4230, 0.2105, 0.2777



19.3647, 0.6264, 0.3406

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.



47.4230, 0.4140, 0.4050



47.4230, 0.2105, 0.2777



47.4230, 0.4055, 0.3194

Square

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



47.4230, 0.2105, 0.2777



47.4230, 0.2979, 0.2511



47.4230, 0.4269, 0.3639



47.4230, 0.3190, 0.4265

Rectangle

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



47.4230, 0.2105, 0.2777



47.4230, 0.2360, 0.2395



47.4230, 0.4269, 0.3639



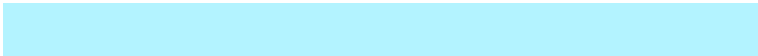
47.4230, 0.3894, 0.4249

Sweetspot

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



47.4247, 0.2105, 0.2777



80.8597, 0.2679, 0.3158



60.7148, 0.2969, 0.5889



16.8300, 0.2621, 0.3137



0.0000, 0.0000, 0.0000



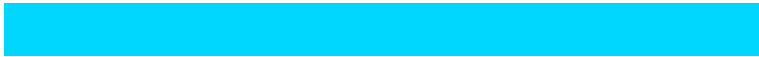
21.4041, 0.3127, 0.3290

Same Dimension

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



47.4247, 0.2105, 0.2777



55.8613, 0.2104, 0.2774



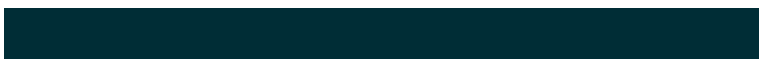
12.3456, 0.1639, 0.1099



16.6968, 0.2981, 0.3252



26.0247, 0.2107, 0.2785



2.1516, 0.2128, 0.2862

Inverse Universe

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



22.1893, 0.3656, 0.1788



26.1704, 0.3659, 0.1789



41.1978, 0.4990, 0.4418



15.2709, 0.3162, 0.3094



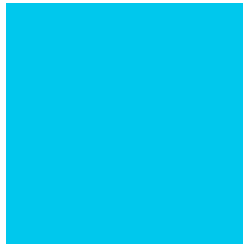
12.1200, 0.3648, 0.1784



0.9626, 0.3578, 0.1745

Previews

White Background



This preview shows how the Yxy color 47.4230, 0.2105, 0.2777 looks on a white background.

Color Contrast Check

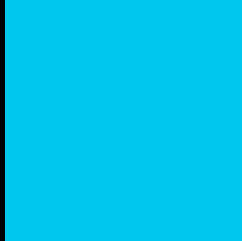
Large Text (above 18pt) WCAG AA × Fail

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 47.4230, 0.2105, 0.2777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

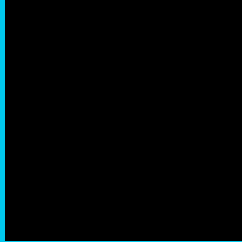
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.4230, 0.2105, 0.2777

Background



This preview shows how black text looks on a background with the Yxy color 47.4230, 0.2105, 0.2777.



This preview shows how white text looks on a background with the Yxy color 47.4230, 0.2105, 0.2777.

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

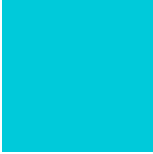
47.4230, 0.2105, 0.2777

Protanopia

46.7409, 0.2748, 0.2753

Deuteranopia

46.7580, 0.2586, 0.2526



Tritanopia

47.3030, 0.2182, 0.3057

Trichromacy



Original Color

47.4230, 0.2105, 0.2777



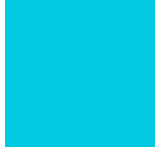
Protanomaly

44.4571, 0.2349, 0.2734



Deuteranomaly

44.8961, 0.2275, 0.2590



Tritanomaly

47.2095, 0.2152, 0.2947

Monochromacy



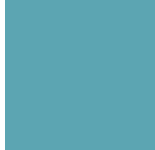
Original Color

47.4230, 0.2105, 0.2777



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 47.4230, 0.2105, 0.2777 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 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, 200, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 237) }
```

Border

The CSS property to change the border of an element to Yxy 47.4230, 0.2105, 0.2777 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, 237) }
```

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

```
.border{ border-color:rgb(0, 200, 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, 200, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 200,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4230, 0.2105, 0.2777 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, 237) }
```

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

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