

Converting Colors

$Yxy(37.9856, 0.1188, 0.2650)$

Have a look what the booklet for
Yxy(37.9856, 0.1188, 0.2650)
contains.

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Color

Yxy(48.0053, 0.2102, 0.2767)

Conversions

Conversions Part 1

Format	Color
Hex	00C9EF
RGB	0, 201, 239
RGB Percent	0%, 79%, 94%
CMY	1.0000, 0.2118, 0.0627
CMYK	1.00, 0.16, 0.00, 0.06
HSL	190°, 100%, 47%
HSV	190°, 100%, 94%
XYZ	36.4681, 48.0053, 89.0189
YIQ	145.2330, -131.9940, -30.7940

Conversions

Conversions Part 2

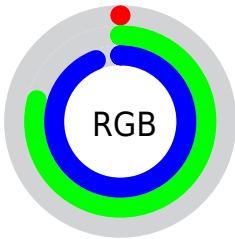
Format	Color
RYB	0, 109, 239
Decimal	51695
CIELab	74.83, -28.18, -30.41
CIElCh	75, 41.459, 227.185
Yxy	48.0053, 0.2102, 0.2767
Android (android.graphics.Color)	4278241775 (0xFF00C9EF)
YUV	145.2330, 46.2271, -127.3693
Hunter-Lab	69.2859, -27.2982, -27.6760

Details

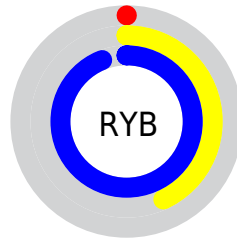
The Yxy color **48.0053, 0.2102, 0.2767** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **19.7413, 0.6265, 0.3407**, and the grayscale version is **28.2648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **24.2863, 0.2069, 0.2647** is the 20% darker color. If you saturate the color by 10%, you get **48.0070, 0.2102, 0.2767**, and if you desaturate by 10%, it is **49.9946, 0.2131, 0.2823**.

Distribution



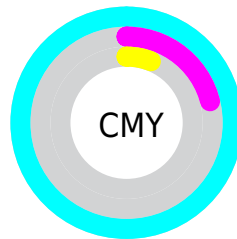
- Red (0%)
- Green (79%)
- Blue (94%)



- Red (0%)
- Yellow (43%)
- Blue (94%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (6%)




- Cyan (100%)
- Magenta (21%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0053, 0.2102, 0.2767 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 48.0053, 0.2102, 0.2767 by changing the saturation by 10% instead.


 48.0053, 0.2102,
0.2767


 48.0053, 0.2102,
0.2767


378.8131, 0.2586,
0.3039

 33.8311, 0.1991,
0.2698


 87.2123, 0.2271,
0.2867


 22.7639, 0.1855,
0.2609


 113.0139, 0.2336,
0.2904


 14.4192, 0.1684,
0.2492

 143.4600, 0.2393,
0.2936

 8.4128, 0.1466,
0.2331

 178.9351, 0.2442,
0.2963

 4.3602, 0.1183,
0.2101

 219.8236, 0.2485,
0.2986

 1.8770, 0.0816,
0.1756

266.5098, 0.2522,

 0.5345, 0.0000,

0.3006

0.1186

319.3782, 0.2556,
0.3023

■ 0.0000, 0.0000,
0.0000

■ 48.0053, 0.2102,
0.2767

■ 48.0053, 0.2102,
0.2767

■ 48.0070, 0.2102,
0.2767

■ 49.9946, 0.2131,
0.2823

■ 52.2640, 0.2177,
0.2880

■ 54.8900, 0.2242,
0.2938

■ 57.9172, 0.2326,
0.2995

■ 61.3829, 0.2428,
0.3051

■ 65.3197, 0.2547,
0.3105

■ 69.7572, 0.2680,
0.3156

■ 74.7220, 0.2823,
0.3205

■ 80.2389, 0.2973,
0.3249

Harmonies

Analogous

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



48.0053, 0.2259, 0.3273



48.0053, 0.2102, 0.2767



48.0053, 0.2183, 0.2467

Triad

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



48.0053, 0.2102, 0.2767



48.0053, 0.3577, 0.2802



48.0053, 0.3727, 0.4314

Complementary

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



48.0053, 0.2102, 0.2767



19.7413, 0.6265, 0.3407

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.



48.0053, 0.4136, 0.4059



48.0053, 0.2102, 0.2767



48.0053, 0.4065, 0.3203

Square

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



48.0053, 0.2102, 0.2767



48.0053, 0.2990, 0.2514



48.0053, 0.4272, 0.3649



48.0053, 0.3178, 0.4262

Rectangle

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



48.0053, 0.2102, 0.2767



48.0053, 0.2365, 0.2392



48.0053, 0.4272, 0.3649



48.0053, 0.3886, 0.4256

Sweetspot

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



48.0070, 0.2102, 0.2767



80.7450, 0.2678, 0.3156



61.8705, 0.2970, 0.5892



16.8023, 0.2621, 0.3135



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.



48.0070, 0.2102, 0.2767



55.5365, 0.2102, 0.2765



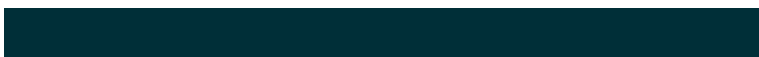
12.5206, 0.1638, 0.1095



17.4757, 0.2981, 0.3251



26.6865, 0.2105, 0.2776



2.3337, 0.2125, 0.2851

Inverse Universe

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



22.5711, 0.3665, 0.1793



26.1376, 0.3667, 0.1794



41.9174, 0.4993, 0.4417



15.9857, 0.3162, 0.3094



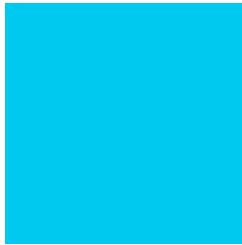
12.4874, 0.3657, 0.1788



1.0503, 0.3588, 0.1750

Previews

White Background



This preview shows how the Yxy color 48.0053, 0.2102, 0.2767 looks on a white background.

Color Contrast Check

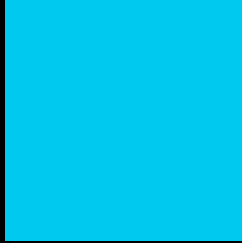
Large Text (above 18pt) WCAG AA × Fail

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 48.0053, 0.2102, 0.2767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

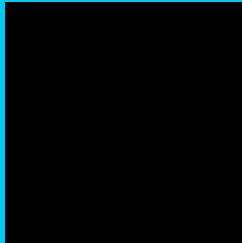
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0053, 0.2102, 0.2767

Background



This preview shows how black text looks on a background with the Yxy color 48.0053, 0.2102, 0.2767.



This preview shows how white text looks on a background with the Yxy color 48.0053, 0.2102, 0.2767.

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

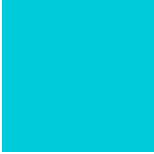
48.0053, 0.2102, 0.2767

Protanopia

47.3682, 0.2743, 0.2744

Deuteranopia

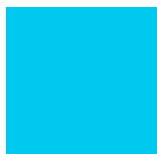
47.3897, 0.2582, 0.2519



Tritanopia

47.8263, 0.2183, 0.3058

Trichromacy



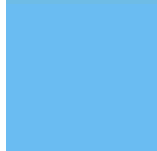
Original Color

48.0053, 0.2102, 0.2767



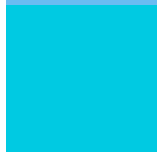
Protanomaly

44.9946, 0.2342, 0.2724



Deuteranomaly

45.4414, 0.2269, 0.2581



Tritanomaly

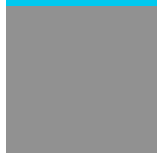
47.7320, 0.2152, 0.2948

Monochromacy



Original Color

48.0053, 0.2102, 0.2767



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.4403, 0.2454, 0.3061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0053, 0.2102, 0.2767 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, 239)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 239)  
}
```

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, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 239) }
```

Border

The CSS property to change the border of an element to Yxy 48.0053, 0.2102, 0.2767 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, 239) }
```

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

```
.border{ border-color:rgb(0, 201, 239) }
```

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, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 239);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0053, 0.2102, 0.2767 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, 239) }
```

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

```
.background{ background-color: rgb(0, 201,  
239) }
```

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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