

Converting Colors

$Yxy(37.4787, 0.2102, 0.2767)$

Have a look what the booklet for
Yxy(37.4787, 0.2102, 0.2767)
contains.

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Color

Yxy(37.4976, 0.2103, 0.2771)

Conversions

Conversions Part 1

Format	Color
Hex	00B4D6
RGB	0, 180, 214
RGB Percent	0%, 71%, 84%
CMY	1.0000, 0.2941, 0.1607
CMYK	1.00, 0.16, 0.00, 0.16
HSL	190°, 100%, 42%
HSV	190°, 100%, 84%
XYZ	28.4581, 37.4976, 69.3658
YIQ	130.0560, -118.1940, -27.5860

Conversions

Conversions Part 2

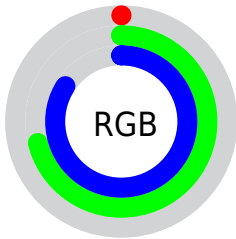
Format	Color
RYB	0, 98, 214
Decimal	46294
CIELab	67.65, -26.06, -27.87
CIELCh	68, 38.153, 226.924
Yxy	37.4976, 0.2103, 0.2771
Android (android.graphics.Color)	4278236374 (0xFF00B4D6)
YUV	130.0560, 41.3844, -114.0591
Hunter-Lab	61.2353, -24.2067, -24.2976

Details

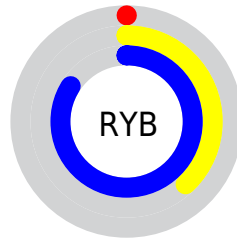
The Yxy color **37.4976, 0.2103, 0.2771** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **15.4432, 0.6257, 0.3414**, and the grayscale version is **22.2278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2142, 0.2348, 0.3061**, and **17.6819, 0.2066, 0.2639** is the 20% darker color. If you saturate the color by 10%, you get **37.5001, 0.2103, 0.2771**, and if you desaturate by 10%, it is **39.0542, 0.2134, 0.2827**.

Distribution



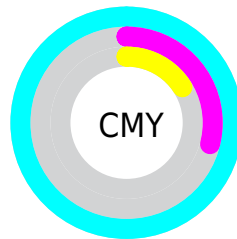
- Red (0%)
- Green (71%)
- Blue (84%)



- Red (0%)
- Yellow (38%)
- Blue (84%)



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




- Cyan (100%)
- Magenta (29%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4976, 0.2103, 0.2771 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 37.4976, 0.2103, 0.2771 by changing the saturation by 10% instead.


 37.4976, 0.2103,
0.2771


 37.4976, 0.2103,
0.2771


335.4599, 0.2608,
0.3052


 25.5930, 0.1982,
0.2696

 71.3374, 0.2284,
0.2877


 16.5194, 0.1829,
0.2596


 94.0415, 0.2352,
0.2916


 9.8924, 0.1634,
0.2461


 121.1141, 0.2411,
0.2948

 5.3277, 0.1378,
0.2268

 152.9397, 0.2461,
0.2975

 2.4408, 0.1038,
0.1977

 189.9027, 0.2505,
0.2999

 0.8468, 0.0311,
0.1563

232.3874, 0.2544,

 0.0000, 0.0000,

0.3019

0.0000

280.7784, 0.2578,
0.3036

■ 37.4976, 0.2103,
0.2771

■ 37.4976, 0.2103,
0.2771

■ 37.5001, 0.2103,
0.2771

■ 39.0542, 0.2134,
0.2827

■ 40.8238, 0.2180,
0.2884

■ 42.8697, 0.2245,
0.2941

■ 45.2253, 0.2329,
0.2997

■ 47.9191, 0.2432,
0.3053

■ 50.9761, 0.2551,
0.3107

■ 54.4184, 0.2682,
0.3158

■ 58.2667, 0.2825,
0.3205

■ 62.5398, 0.2974,
0.3250

Harmonies

Analogous

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



37.4976, 0.2262, 0.3278



37.4976, 0.2103, 0.2771



37.4976, 0.2182, 0.2469

Triad

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



37.4976, 0.2103, 0.2771



37.4976, 0.3571, 0.2800



37.4976, 0.3731, 0.4312

Complementary

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



37.4976, 0.2103, 0.2771



15.4432, 0.6257, 0.3414

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.



37.4976, 0.4138, 0.4056



37.4976, 0.2103, 0.2771



37.4976, 0.4061, 0.3199

Square

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



37.4976, 0.2103, 0.2771



37.4976, 0.2985, 0.2512



37.4976, 0.4271, 0.3645



37.4976, 0.3183, 0.4263

Rectangle

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



37.4976, 0.2103, 0.2771



37.4976, 0.2363, 0.2393



37.4976, 0.4271, 0.3645



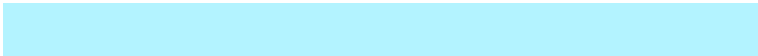
37.4976, 0.3890, 0.4253

Sweetspot

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



37.5001, 0.2103, 0.2771



80.7513, 0.2678, 0.3156



48.2058, 0.2968, 0.5885



16.8038, 0.2621, 0.3135



0.0000, 0.0000, 0.0000



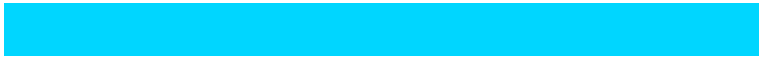
21.4041, 0.3127, 0.3290

Same Dimension

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



37.5001, 0.2103, 0.2771



55.5543, 0.2102, 0.2766



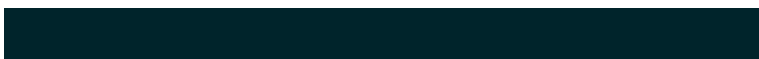
9.8752, 0.1641, 0.1106



13.7561, 0.2983, 0.3252



22.7899, 0.2105, 0.2779



1.4668, 0.2132, 0.2876

Inverse Universe

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



17.5939, 0.3662, 0.1791



26.1394, 0.3667, 0.1794



32.7956, 0.4987, 0.4422



12.5972, 0.3162, 0.3096



10.6455, 0.3654, 0.1786



0.6514, 0.3565, 0.1737

Previews

White Background



This preview shows how the Yxy color 37.4976, 0.2103, 0.2771 looks on a white background.

Color Contrast Check

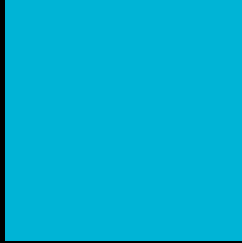
Large Text (above 18pt) WCAG AA × Fail

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 37.4976, 0.2103, 0.2771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

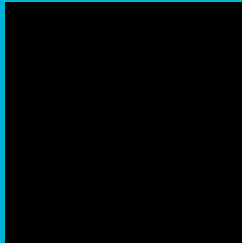
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4976, 0.2103, 0.2771

Background



This preview shows how black text looks on a background with the Yxy color 37.4976, 0.2103, 0.2771.



This preview shows how white text looks on a background with the Yxy color 37.4976, 0.2103, 0.2771.

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

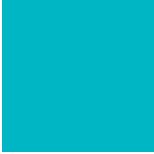
37.4976, 0.2103, 0.2771

Protanopia

37.0263, 0.2750, 0.2754

Deuteranopia

36.9413, 0.2585, 0.2527



Tritanopia

37.4414, 0.2185, 0.3065

Trichromacy



Original Color

37.4976, 0.2103, 0.2771



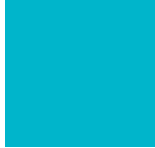
Protanomaly

35.4848, 0.2351, 0.2738



Deuteranomaly

35.4479, 0.2272, 0.2577



Tritanomaly

37.3595, 0.2151, 0.2943

Monochromacy



Original Color

37.4976, 0.2103, 0.2771



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

25.5920, 0.2458, 0.3056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4976, 0.2103, 0.2771 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, 180, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 214)  
}
```

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, 180, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 214) }
```

Border

The CSS property to change the border of an element to Yxy 37.4976, 0.2103, 0.2771 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, 180, 214) }
```

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

```
.border{ border-color:rgb(0, 180, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 180, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4976, 0.2103, 0.2771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 214) }
```

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

```
.background{ background-color: rgb(0, 180,  
214) }
```

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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