

Converting Colors

$Y_{xy}(37.2465, 0.2111, 0.2798)$

Have a look what the booklet for
Yxy(37.2465, 0.2111, 0.2798)
contains.

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Color

Yxy(37.4024, 0.2111, 0.2799)

Conversions

Conversions Part 1

Format	Color
Hex	00B4D4
RGB	0, 180, 212
RGB Percent	0%, 71%, 83%
CMY	0.9993, 0.2941, 0.1686
CMYK	1.00, 0.15, 0.00, 0.17
HSL	189°, 100%, 42%
HSV	189°, 100%, 83%
XYZ	28.2088, 37.4024, 68.0165
YIQ	129.8280, -117.5520, -28.2080

Conversions

Conversions Part 2

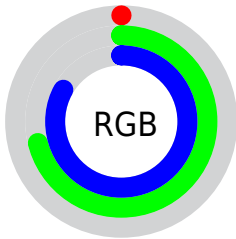
Format	Color
RYB	0, 97, 212
Decimal	46292
CIELab	67.58, -26.73, -26.87
CIElCh	68, 37.901, 225.146
Yxy	37.4024, 0.2111, 0.2799
Android (android.graphics.Color)	4278236372 (0xFF00B4D4)
YUV	129.8280, 40.5108, -113.8592
Hunter-Lab	61.1575, -24.6928, -23.1293

Details

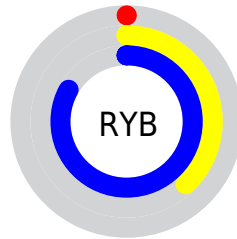
The Yxy color **37.4024, 0.2111, 0.2799** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **15.0385, 0.6266, 0.3405**, and the grayscale version is **22.1682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1540, 0.2345, 0.3060**, and **17.6131, 0.2076, 0.2674** is the 20% darker color. If you saturate the color by 10%, you get **37.3916, 0.2111, 0.2799**, and if you desaturate by 10%, it is **38.8736, 0.2141, 0.2852**.

Distribution



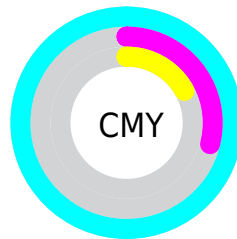
- Red (0%)
- Green (71%)
- Blue (83%)



- Red (0%)
- Yellow (38%)
- Blue (83%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (17%)





- Cyan (100%)
- Magenta (29%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4024, 0.2111, 0.2799 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 37.4024, 0.2111, 0.2799 by changing the saturation by 10% instead.


 37.4024, 0.2111,
0.2799


 37.4024, 0.2111,
0.2799


335.0494, 0.2613,
0.3066


 25.5192, 0.1990,
0.2727


 71.1912, 0.2291,
0.2900


 16.4643, 0.1838,
0.2631


 93.8657, 0.2359,
0.2937


 9.8533, 0.1643,
0.2501


 120.9060, 0.2417,
0.2968

 5.3018, 0.1387,
0.2313

 152.6966, 0.2467,
0.2994

 2.4254, 0.1044,
0.2027

 189.6218, 0.2511,
0.3016

 0.8389, 0.0280,
0.1622

232.0661, 0.2549,

 0.0000, 0.0000,

0.3035

0.0000

280.4138, 0.2583,
0.3052

■ 37.4024, 0.2111,
0.2799

■ 37.4024, 0.2111,
0.2799

■ 37.3916, 0.2111,
0.2799

■ 38.8736, 0.2141,
0.2852

■ 40.5520, 0.2186,
0.2906

■ 42.4978, 0.2250,
0.2960

■ 44.7437, 0.2334,
0.3013

■ 47.3172, 0.2436,
0.3066

■ 50.2428, 0.2553,
0.3116

■ 53.5422, 0.2685,
0.3165

■ 57.2352, 0.2826,
0.3210

■ 61.3405, 0.2975,
0.3252

Harmonies

Analogous

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



37.4024, 0.2284, 0.3313



37.4024, 0.2111, 0.2799



37.4024, 0.2176, 0.2485

Triad

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



37.4024, 0.2111, 0.2799



37.4024, 0.3535, 0.2781



37.4024, 0.3758, 0.4298

Complementary

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



37.4024, 0.2111, 0.2799



15.0385, 0.6266, 0.3405

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.



37.4024, 0.4149, 0.4030



37.4024, 0.2111, 0.2799



37.4024, 0.4033, 0.3175

Square

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



37.4024, 0.2111, 0.2799



37.4024, 0.2953, 0.2504



37.4024, 0.4262, 0.3617



37.4024, 0.3217, 0.4271

Rectangle

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



37.4024, 0.2111, 0.2799



37.4024, 0.2347, 0.2400



37.4024, 0.4262, 0.3617



37.4024, 0.3912, 0.4235

Sweetspot

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



37.4037, 0.2111, 0.2799



81.1153, 0.2679, 0.3163



47.1901, 0.2968, 0.5883



16.8918, 0.2622, 0.3142



0.0000, 0.0000, 0.0000



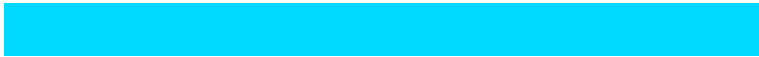
21.4041, 0.3127, 0.3290

Same Dimension

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



37.4037, 0.2111, 0.2799



56.5889, 0.2109, 0.2793



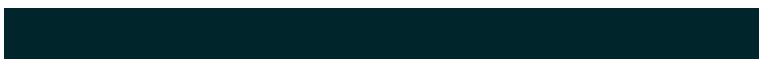
9.6943, 0.1642, 0.1109



13.7735, 0.2983, 0.3254



23.2024, 0.2113, 0.2806



1.4880, 0.2138, 0.2898

Inverse Universe

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



17.2963, 0.3636, 0.1777



26.2438, 0.3641, 0.1779



32.1338, 0.4985, 0.4423



12.5990, 0.3161, 0.3094



10.6871, 0.3629, 0.1773



0.6535, 0.3545, 0.1727

Previews

White Background



This preview shows how the Yxy color 37.4024, 0.2111, 0.2799 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 37.4024, 0.2111, 0.2799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

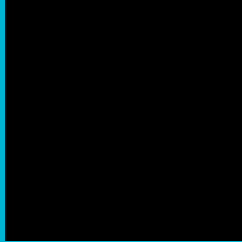
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4024, 0.2111, 0.2799

Background



This preview shows how black text looks on a background with the Yxy color 37.4024, 0.2111, 0.2799.



This preview shows how white text looks on a background with the Yxy color 37.4024, 0.2111, 0.2799.

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

37.3960, 0.2111, 0.2799

Protanopia

36.9327, 0.2765, 0.2779

Deuteranopia

36.9316, 0.2606, 0.2551

Trichromacy



Original Color

37.3960, 0.2111, 0.2799

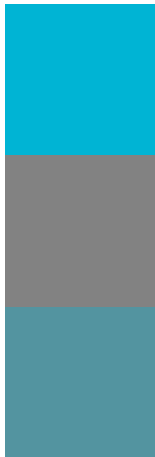
Protanomaly

35.3882, 0.2362, 0.2765

Deuteranomaly

35.3984, 0.2287, 0.2603

Monochromacy



Original Color

37.3960, 0.2111, 0.2799

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

25.5569, 0.2465, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4024, 0.2111, 0.2799 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 212) }
```

Border

The CSS property to change the border of an element to Yxy 37.4024, 0.2111, 0.2799 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, 212) }
```

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

```
.border{ border-color:rgb(0, 180, 212) }
```

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, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
212) }
```

Background

The CSS property to change the background color of an element to Yxy 37.4024, 0.2111, 0.2799 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, 212) }
```

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

```
.background{ background-color: rgb(0, 180,  
212) }
```

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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