

Converting Colors

$Y_{xy}(40.4874, 0.2145, 0.2923)$

Have a look what the booklet for
Yxy(40.4874, 0.2145, 0.2923)
contains.

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Color

Yxy(40.7199, 0.2146, 0.2926)

Conversions

Conversions Part 1

Format	Color
Hex	00BCD4
RGB	0, 188, 212
RGB Percent	0%, 74%, 83%
CMY	1.0000, 0.2627, 0.1686
CMYK	1.00, 0.11, 0.00, 0.17
HSL	187°, 100%, 42%
HSV	187°, 100%, 83%
XYZ	29.8650, 40.7199, 68.5809
YIQ	134.5240, -119.7520, -32.3920

Conversions

Conversions Part 2

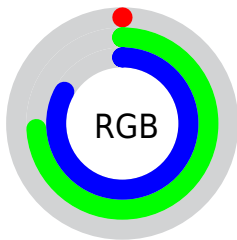
Format	Color
RYB	0, 100, 212
Decimal	48340
CIELab	69.98, -30.68, -23.20
CIELCh	70, 38.463, 217.096
Yxy	40.7199, 0.2146, 0.2926
Android (android.graphics.Color)	4278238420 (0xFF00BCD4)
YUV	134.5240, 38.1957, -117.9775
Hunter-Lab	63.8121, -28.1308, -19.0523

Details

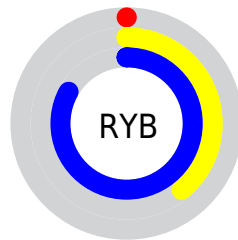
The Yxy color **40.7199, 0.2146, 0.2926** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **14.6525, 0.6316, 0.3367**, and the grayscale version is **23.9346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5281, 0.2373, 0.3170**, and **19.4845, 0.2118, 0.2824** is the 20% darker color. If you saturate the color by 10%, you get **40.7232, 0.2146, 0.2926**, and if you desaturate by 10%, it is **41.9192, 0.2171, 0.2965**.

Distribution



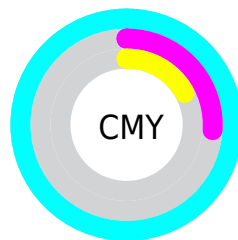
- Red (0%)
- Green (74%)
- Blue (83%)



- Red (0%)
- Yellow (39%)
- Blue (83%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (17%)





- Cyan (100%)
- Magenta (26%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7199, 0.2146, 0.2926 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 40.7199, 0.2146, 0.2926 by changing the saturation by 10% instead.


 40.7199, 0.2146,
0.2926


 40.7199, 0.2146,
0.2926


349.1486, 0.2626,
0.3127

 28.1003, 0.2031,
0.2871


 76.2585, 0.2317,
0.3003


 18.4013, 0.1888,
0.2797


 99.9463, 0.2382,
0.3031


 11.2385, 0.1704,
0.2695


 128.0923, 0.2438,
0.3054

 6.2275, 0.1462,
0.2547

 161.0808, 0.2486,
0.3073

 2.9839, 0.1137,
0.2318

 199.2963, 0.2528,
0.3090

 1.1233, 0.0528,
0.1970

243.1232, 0.2564,

 0.0000, 0.0000,

0.3104

0.0000

292.9458, 0.2597,
0.3116

■ 40.7199, 0.2146,
0.2926

■ 40.7199, 0.2146,
0.2926

■ 40.7232, 0.2146,
0.2926

■ 41.9192, 0.2171,
0.2965

■ 43.3098, 0.2212,
0.3004

■ 44.9545, 0.2271,
0.3044

■ 46.8859, 0.2349,
0.3083

■ 49.1317, 0.2446,
0.3122

■ 51.7160, 0.2559,
0.3160

■ 54.6605, 0.2687,
0.3196

■ 57.9851, 0.2826,
0.3230

■ 61.7081, 0.2974,
0.3261

Harmonies

Analogous

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



40.7199, 0.2380, 0.3469



40.7199, 0.2146, 0.2926



40.7199, 0.2148, 0.2557

Triad

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



40.7199, 0.2146, 0.2926



40.7199, 0.3375, 0.2700



40.7199, 0.3874, 0.4237

Complementary

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



40.7199, 0.2146, 0.2926



14.6525, 0.6316, 0.3367

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.



40.7199, 0.4197, 0.3921



40.7199, 0.2146, 0.2926



40.7199, 0.3909, 0.3065

Square

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



40.7199, 0.2146, 0.2926



40.7199, 0.2812, 0.2466



40.7199, 0.4219, 0.3496



40.7199, 0.3366, 0.4299

Rectangle

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



40.7199, 0.2146, 0.2926



40.7199, 0.2277, 0.2434



40.7199, 0.4219, 0.3496



40.7199, 0.4009, 0.4152

Sweetspot

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



40.7232, 0.2146, 0.2926



82.8614, 0.2683, 0.3195



47.1484, 0.2983, 0.5938



17.3148, 0.2627, 0.3179



0.0000, 0.0000, 0.0000



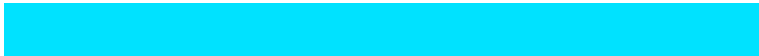
21.4041, 0.3127, 0.3290

Same Dimension

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



40.7232, 0.2146, 0.2926



61.6810, 0.2145, 0.2922



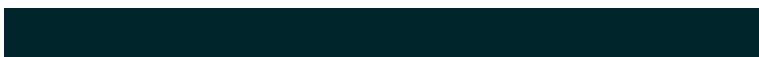
11.2205, 0.1680, 0.1247



13.8565, 0.2983, 0.3263



25.2304, 0.2148, 0.2932



1.5916, 0.2166, 0.2999

Inverse Universe

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



17.6301, 0.3520, 0.1713



26.7579, 0.3524, 0.1715



29.2315, 0.5128, 0.4311



12.6074, 0.3155, 0.3086



10.8919, 0.3515, 0.1710



0.6640, 0.3455, 0.1677

Previews

White Background



This preview shows how the Yxy color 40.7199, 0.2146, 0.2926 looks on a white background.

Color Contrast Check

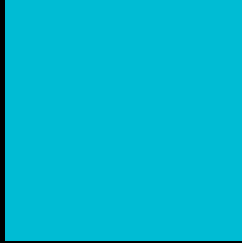
Large Text (above 18pt) WCAG AA × Fail

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 40.7199, 0.2146, 0.2926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

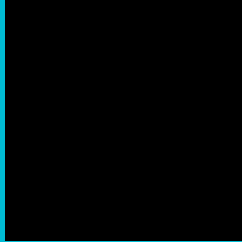
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7199, 0.2146, 0.2926

Background



This preview shows how black text looks on a background with the Yxy color 40.7199, 0.2146, 0.2926.



This preview shows how white text looks on a background with the Yxy color 40.7199, 0.2146, 0.2926.

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

40.7199, 0.2146, 0.2926

Protanopia

40.0213, 0.2844, 0.2873

Deuteranopia

40.3286, 0.2699, 0.2639

Trichromacy



Original Color

40.7199, 0.2146, 0.2926

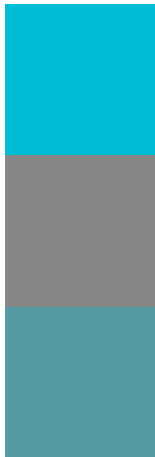
Protanomaly

37.9626, 0.2407, 0.2861

Deuteranomaly

38.4498, 0.2344, 0.2715

Monochromacy



Original Color

40.7199, 0.2146, 0.2926

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

27.7340, 0.2484, 0.3131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7199, 0.2146, 0.2926 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, 188, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 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, 188, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 212) }
```

Border

The CSS property to change the border of an element to Yxy 40.7199, 0.2146, 0.2926 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, 188, 212) }
```

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

```
.border{ border-color:rgb(0, 188, 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, 188, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 188, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 188, 212); box-shadow:4px 4px 4px 4px rgb(0, 188, 212) }
```

Background

The CSS property to change the background color of an element to Yxy 40.7199, 0.2146, 0.2926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 212) }
```

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

```
.background{ background-color: rgb(0, 188,  
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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