

Converting Colors

$Y_{xy}(37.2797, 0.2145, 0.2923)$

Have a look what the booklet for
Yxy(37.2797, 0.2145, 0.2923)
contains.

Yxy(37.4074, 0.2147, 0.2929)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.4074, 0.2147, 0.2929)

Conversions

Conversions Part 1

Format	Color
Hex	00B5CC
RGB	0, 181, 204
RGB Percent	0%, 71%, 80%
CMY	1.0000, 0.2902, 0.2001
CMYK	1.00, 0.11, 0.00, 0.20
HSL	187°, 100%, 40%
HSV	187°, 100%, 80%
XYZ	27.4202, 37.4074, 62.8863
YIQ	129.5030, -115.2590, -31.2190

Conversions

Conversions Part 2

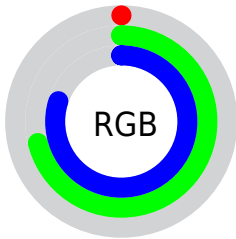
Format	Color
RYB	0, 96, 204
Decimal	46540
CIELab	67.58, -29.89, -22.45
CIELCh	68, 37.379, 216.915
Yxy	37.4074, 0.2147, 0.2929
Android (android.graphics.Color)	4278236620 (0xFF00B5CC)
YUV	129.5030, 36.7270, -113.5741
Hunter-Lab	61.1616, -27.0070, -18.1488

Details

The Yxy color **37.4074, 0.2147, 0.2929** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **13.4457, 0.6314, 0.3369**, and the grayscale version is **22.0380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6719, 0.2345, 0.3073**, and **17.6404, 0.2118, 0.2826** is the 20% darker color. If you saturate the color by 10%, you get **37.4087, 0.2147, 0.2929**, and if you desaturate by 10%, it is **38.5036, 0.2173, 0.2968**.

Distribution



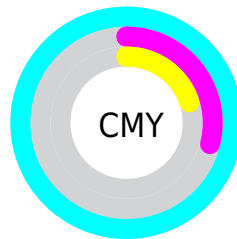
- Red (0%)
- Green (71%)
- Blue (80%)



- Red (0%)
- Yellow (38%)
- Blue (80%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (29%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4074, 0.2147, 0.2929 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 37.4074, 0.2147, 0.2929 by changing the saturation by 10% instead.


 37.4074, 0.2147,
0.2929


 37.4074, 0.2147,
0.2929


335.0710, 0.2633,
0.3131


 25.5231, 0.2029,
0.2872


 71.1989, 0.2322,
0.3007


 16.4672, 0.1880,
0.2796


 93.8749, 0.2388,
0.3035


 9.8554, 0.1687,
0.2689


 120.9169, 0.2444,
0.3058

 5.3032, 0.1431,
0.2531

 152.7093, 0.2493,
0.3078

 2.4262, 0.1083,
0.2281

 189.6366, 0.2535,
0.3094

 0.8393, 0.0158,
0.1939

232.0830, 0.2572,

 0.0000, 0.0000,

0.3108

0.0000

280.4330, 0.2604,
0.3120

■ 37.4074, 0.2147,
0.2929

■ 37.4074, 0.2147,
0.2929

■ 37.4087, 0.2147,
0.2929

■ 38.5036, 0.2173,
0.2968

■ 39.7753, 0.2213,
0.3006

■ 41.2793, 0.2272,
0.3046

■ 43.0452, 0.2350,
0.3085

■ 45.0981, 0.2447,
0.3123

■ 47.4598, 0.2560,
0.3161

■ 50.1502, 0.2688,
0.3196

■ 53.1874, 0.2827,
0.3230

■ 56.5879, 0.2974,
0.3261

Harmonies

Analogous

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



37.4074, 0.2382, 0.3472



37.4074, 0.2147, 0.2929



37.4074, 0.2147, 0.2559

Triad

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



37.4074, 0.2147, 0.2929



37.4074, 0.3372, 0.2699



37.4074, 0.3877, 0.4235

Complementary

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



37.4074, 0.2147, 0.2929



13.4457, 0.6314, 0.3369

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.



37.4074, 0.4198, 0.3919



37.4074, 0.2147, 0.2929



37.4074, 0.3906, 0.3062

Square

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



37.4074, 0.2147, 0.2929



37.4074, 0.2809, 0.2466



37.4074, 0.4218, 0.3494



37.4074, 0.3369, 0.4300

Rectangle

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



37.4074, 0.2147, 0.2929



37.4074, 0.2275, 0.2435



37.4074, 0.4218, 0.3494



37.4074, 0.4011, 0.4150

Sweetspot

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



37.4087, 0.2147, 0.2929



82.8903, 0.2683, 0.3195



43.2265, 0.2982, 0.5936



17.3218, 0.2627, 0.3180



0.0000, 0.0000, 0.0000



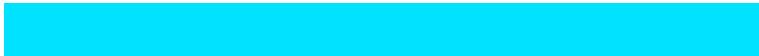
21.4041, 0.3127, 0.3290

Same Dimension

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



37.4087, 0.2147, 0.2929



61.7671, 0.2146, 0.2924



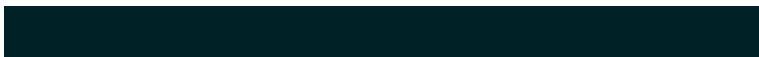
10.3316, 0.1681, 0.1251



12.5029, 0.2983, 0.3263



23.6377, 0.2149, 0.2934



1.2823, 0.2170, 0.3010

Inverse Universe

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



16.1705, 0.3517, 0.1711



26.7666, 0.3522, 0.1714



26.8482, 0.5125, 0.4313



11.3811, 0.3155, 0.3087



10.1892, 0.3512, 0.1709



0.5320, 0.3445, 0.1672

Previews

White Background



This preview shows how the Yxy color 37.4074, 0.2147, 0.2929 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 37.4074, 0.2147, 0.2929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

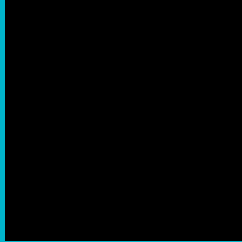
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4074, 0.2147, 0.2929

Background



This preview shows how black text looks on a background with the Yxy color 37.4074, 0.2147, 0.2929.



This preview shows how white text looks on a background with the Yxy color 37.4074, 0.2147, 0.2929.

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

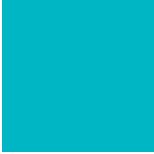
37.4074, 0.2147, 0.2929

Protanopia

36.8713, 0.2851, 0.2885

Deuteranopia

37.1611, 0.2700, 0.2643



Tritanopia

37.4414, 0.2185, 0.3065

Trichromacy



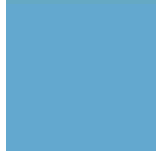
Original Color

37.4074, 0.2147, 0.2929



Protanomaly

35.1282, 0.2418, 0.2877



Deuteranomaly

35.1629, 0.2343, 0.2709



Tritanomaly

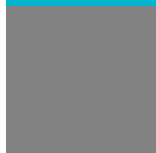
37.5794, 0.2172, 0.3019

Monochromacy



Original Color

37.4074, 0.2147, 0.2929



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

25.7682, 0.2489, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4074, 0.2147, 0.2929 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, 181, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 204)  
}
```

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, 181, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 204) }
```

Border

The CSS property to change the border of an element to Yxy 37.4074, 0.2147, 0.2929 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, 181, 204) }
```

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

```
.border{ border-color:rgb(0, 181, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4074, 0.2147, 0.2929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 204) }
```

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

```
.background{ background-color: rgb(0, 181,  
204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor