

Converting Colors

$Y_{xy}(37.9891, 0.2153, 0.2952)$

Have a look what the booklet for
Yxy(37.9891, 0.2153, 0.2952)
contains.

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Color

Yxy(37.8155, 0.2151, 0.2945)

Conversions

Conversions Part 1

Format	Color
Hex	00B6CC
RGB	0, 182, 204
RGB Percent	0%, 71%, 80%
CMY	1.0000, 0.2862, 0.2000
CMYK	1.00, 0.11, 0.00, 0.20
HSL	186°, 100%, 40%
HSV	186°, 100%, 80%
XYZ	27.6201, 37.8155, 62.9702
YIQ	130.0900, -115.5340, -31.7420

Conversions

Conversions Part 2

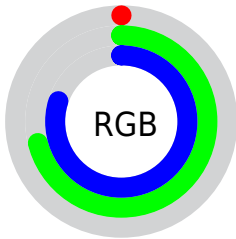
Format	Color
RYB	0, 96, 204
Decimal	46796
CIELab	67.88, -30.39, -22.00
CIELCh	68, 37.518, 215.905
Yxy	37.8155, 0.2151, 0.2945
Android (android.graphics.Color)	4278236876 (0xFF00B6CC)
YUV	130.0900, 36.4376, -114.0889
Hunter-Lab	61.4943, -27.4420, -17.6670

Details

The Yxy color **37.8155, 0.2151, 0.2945** 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 **13.4109, 0.6319, 0.3364**, and the grayscale version is **22.2590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2526, 0.2347, 0.3085**, and **17.9025, 0.2124, 0.2848** is the 20% darker color. If you saturate the color by 10%, you get **37.8214, 0.2151, 0.2945**, and if you desaturate by 10%, it is **38.8821, 0.2176, 0.2982**.

Distribution



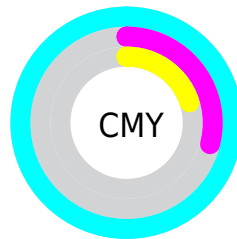
- Red (0%)
- Green (71%)
- Blue (80%)



- 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 37.8155, 0.2151, 0.2945 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 37.8155, 0.2151, 0.2945 by changing the saturation by 10% instead.


 37.8155, 0.2151,
0.2945


 37.8155, 0.2151,
0.2945


336.8279, 0.2635,
0.3139

 25.8395, 0.2034,
0.2891

 71.8253, 0.2325,
0.3020

 16.7036, 0.1885,
0.2817


 94.6278, 0.2391,
0.3047


 10.0234, 0.1694,
0.2714


 121.8081, 0.2447,
0.3069

 5.4145, 0.1440,
0.2562

 153.7503, 0.2495,
0.3087

 2.4924, 0.1095,
0.2319

 190.8391, 0.2537,
0.3103

 0.8729, 0.0200,
0.1987

233.4586, 0.2574,

 0.0000, 0.0000,

0.3117

0.0000

281.9934, 0.2606,
0.3128

■ 37.8155, 0.2151,
0.2945

■ 37.8155, 0.2151,
0.2945

■ 37.8214, 0.2151,
0.2945

■ 38.8821, 0.2176,
0.2982

■ 40.1185, 0.2216,
0.3019

■ 41.5859, 0.2275,
0.3056

■ 43.3140, 0.2352,
0.3094

■ 45.3278, 0.2448,
0.3131

■ 47.6494, 0.2561,
0.3166

■ 50.2983, 0.2688,
0.3200

■ 53.2927, 0.2827,
0.3233

■ 56.6493, 0.2974,
0.3263

Harmonies

Analogous

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



37.8155, 0.2394, 0.3492



37.8155, 0.2151, 0.2945



37.8155, 0.2143, 0.2568

Triad

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



37.8155, 0.2151, 0.2945



37.8155, 0.3352, 0.2688



37.8155, 0.3891, 0.4228

Complementary

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



37.8155, 0.2151, 0.2945



13.4109, 0.6319, 0.3364

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.



37.8155, 0.4204, 0.3906



37.8155, 0.2151, 0.2945



37.8155, 0.3891, 0.3049

Square

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



37.8155, 0.2151, 0.2945



37.8155, 0.2792, 0.2460



37.8155, 0.4212, 0.3479



37.8155, 0.3388, 0.4303

Rectangle

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



37.8155, 0.2151, 0.2945



37.8155, 0.2266, 0.2438



37.8155, 0.4212, 0.3479



37.8155, 0.4023, 0.4140

Sweetspot

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



37.8214, 0.2151, 0.2945



83.1159, 0.2683, 0.3199



43.2383, 0.2982, 0.5936



17.3766, 0.2628, 0.3185



0.0000, 0.0000, 0.0000



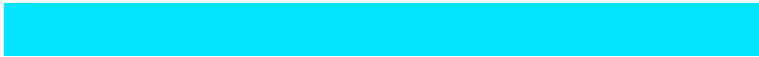
21.4041, 0.3127, 0.3290

Same Dimension

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



37.8214, 0.2151, 0.2945



62.4410, 0.2150, 0.2940



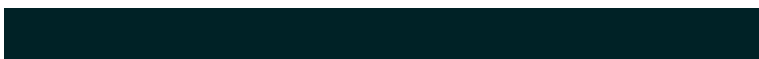
10.3342, 0.1681, 0.1251



12.5124, 0.2983, 0.3264



23.8879, 0.2153, 0.2950



1.2929, 0.2173, 0.3022

Inverse Universe

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



16.2155, 0.3503, 0.1703



26.8346, 0.3507, 0.1706



26.8552, 0.5125, 0.4313



11.3821, 0.3154, 0.3086



10.2145, 0.3498, 0.1701



0.5331, 0.3435, 0.1666

Previews

White Background



This preview shows how the Yxy color 37.8155, 0.2151, 0.2945 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 37.8155, 0.2151, 0.2945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

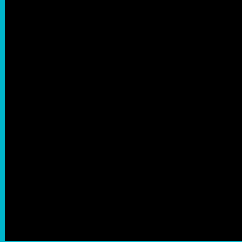
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8155, 0.2151, 0.2945

Background



This preview shows how black text looks on a background with the Yxy color 37.8155, 0.2151, 0.2945.



This preview shows how white text looks on a background with the Yxy color 37.8155, 0.2151, 0.2945.

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

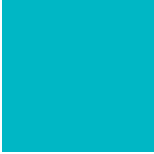
37.8155, 0.2151, 0.2945

Protanopia

37.3269, 0.2860, 0.2901

Deuteranopia

37.2613, 0.2708, 0.2644



Tritanopia

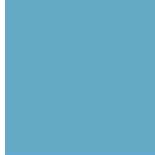
37.8982, 0.2185, 0.3066

Trichromacy



Original Color

37.8155, 0.2151, 0.2945



Protanomaly

35.5017, 0.2421, 0.2893



Deuteranomaly

35.5903, 0.2352, 0.2726



Tritanomaly

38.0371, 0.2172, 0.3020

Monochromacy



Original Color

37.8155, 0.2151, 0.2945



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 37.8155, 0.2151, 0.2945 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, 182, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 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, 182, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 204) }
```

Border

The CSS property to change the border of an element to Yxy 37.8155, 0.2151, 0.2945 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, 182, 204) }
```

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

```
.border{ border-color:rgb(0, 182, 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, 182, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8155, 0.2151, 0.2945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 204) }
```

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

```
.background{ background-color: rgb(0, 182,  
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](#).

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