

Converting Colors

$Y_{xy}(42.7487, 0.2149, 0.3369)$

Have a look what the booklet for
Yxy(42.7487, 0.2149, 0.3369)
contains.

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Color

Yxy(43.7383, 0.2268, 0.3365)

Conversions

Conversions Part 1

Format	Color
Hex	00C5C0
RGB	0, 197, 192
RGB Percent	0%, 77%, 75%
CMY	1.0000, 0.2274, 0.2470
CMYK	1.00, 0.00, 0.03, 0.23
HSL	178°, 100%, 39%
HSV	178°, 100%, 77%
XYZ	29.4795, 43.7383, 56.7623
YIQ	137.5270, -115.8070, -43.3190

Conversions

Conversions Part 2

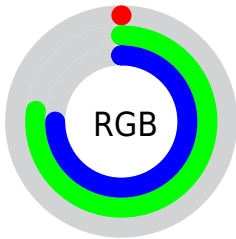
Format	Color
RYB	0, 100, 197
Decimal	50624
CIELab	72.05, -41.09, -9.15
CIELCh	72, 42.094, 192.553
Yxy	43.7383, 0.2268, 0.3365
Android (android.graphics.Color)	4278240704 (0xFF00C5C0)
YUV	137.5270, 26.8552, -120.6112
Hunter-Lab	66.1349, -36.1702, -4.5930

Details

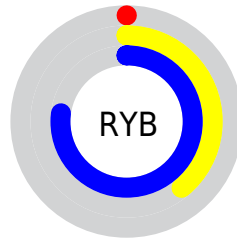
The Yxy color **43.7383, 0.2268, 0.3365** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **11.8820, 0.6376, 0.3286**, and the grayscale version is **25.1568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6040, 0.2421, 0.3358**, and **21.2101, 0.2264, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **43.7410, 0.2268, 0.3365**, and if you desaturate by 10%, it is **43.9088, 0.2280, 0.3357**.

Distribution



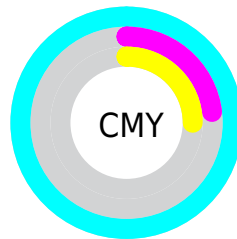
- Red (0%)
- Green (77%)
- Blue (75%)



- Red (0%)
- Yellow (39%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (23%)



- Cyan (100%)
- Magenta (23%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.7383, 0.2268, 0.3365 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 43.7383, 0.2268, 0.3365 by changing the saturation by 10% instead.


 43.7383, 0.2268,
0.3365

 43.7383, 0.2268,
0.3365


361.6393, 0.2691,
0.3339


 30.4648, 0.2166,
0.3368


 80.8238, 0.2420,
0.3358

 20.1917, 0.2036,
0.3369


 105.4046, 0.2477,
0.3355


 12.5344, 0.1868,
0.3366

 134.5233, 0.2526,
0.3352

 7.1088, 0.1643,
0.3355

 168.5644, 0.2568,
0.3349

 3.5302, 0.1329,
0.3321

 207.9121, 0.2605,
0.3346

 1.4144, 0.0621,
0.3313

252.9509, 0.2637,

 0.2273, 0.0000,

0.3344

0.2040

304.0651, 0.2665,
0.3341

0.0000, 0.0000,
0.0000

43.7383, 0.2268,
0.3365

43.7383, 0.2268,
0.3365

43.7410, 0.2268,
0.3365

43.9088, 0.2280,
0.3357

44.2246, 0.2305,
0.3349

44.7407, 0.2349,
0.3341

45.4840, 0.2412,
0.3333

46.4774, 0.2493,
0.3324

■ 47.7410, 0.2593,
0.3317

■ 49.2929, 0.2708,
0.3309

■ 51.1496, 0.2838,
0.3302

■ 53.3263, 0.2978,
0.3296

Harmonies

Analogous

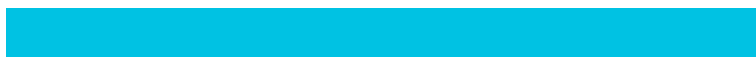
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.7383, 0.2698, 0.3970



43.7383, 0.2268, 0.3365



43.7383, 0.2068, 0.2809

Triad

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



43.7383, 0.2268, 0.3365



43.7383, 0.2892, 0.2450



43.7383, 0.4225, 0.4030

Complementary

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



43.7383, 0.2268, 0.3365



11.8820, 0.6376, 0.3286

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.



43.7383, 0.4316, 0.3588



43.7383, 0.2268, 0.3365



43.7383, 0.3503, 0.2726

Square

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



43.7383, 0.2268, 0.3365



43.7383, 0.2399, 0.2350



43.7383, 0.4046, 0.3128



43.7383, 0.3831, 0.4337

Rectangle

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



43.7383, 0.2268, 0.3365



43.7383, 0.2072, 0.2552



43.7383, 0.4046, 0.3128



43.7383, 0.4294, 0.3890

Sweetspot

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



43.7410, 0.2268, 0.3365



88.1399, 0.2703, 0.3310



39.9772, 0.3007, 0.5995



18.5992, 0.2652, 0.3313



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.



43.7410, 0.2268, 0.3365



78.3305, 0.2268, 0.3366



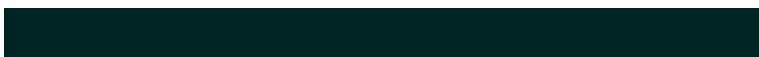
14.1487, 0.1801, 0.1683



12.0627, 0.2987, 0.3296



28.7708, 0.2268, 0.3364



1.3638, 0.2263, 0.3347

Inverse Universe

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



11.8820, 0.6376, 0.3286



21.2742, 0.6383, 0.3290



19.5142, 0.5511, 0.4006



10.6412, 0.3286, 0.3285



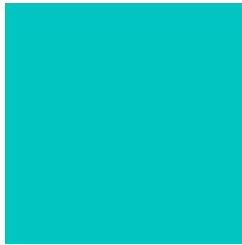
7.8167, 0.6370, 0.3283



0.3717, 0.6260, 0.3222

Previews

White Background



This preview shows how the Yxy color 43.7383, 0.2268, 0.3365 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 43.7383, 0.2268, 0.3365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

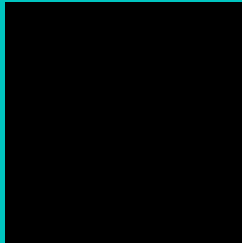
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

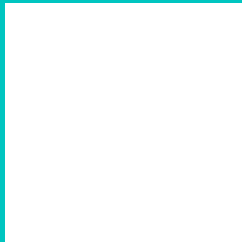
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.7383, 0.2268, 0.3365

Background



This preview shows how black text looks on a background with the Yxy color 43.7383, 0.2268, 0.3365.

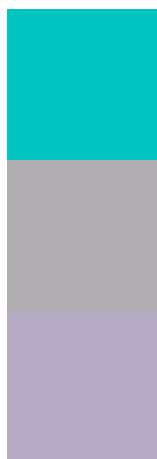


This preview shows how white text looks on a background with the Yxy color 43.7383, 0.2268, 0.3365.

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

43.7383, 0.2268, 0.3365

Protanopia

42.8336, 0.3121, 0.3236

Deuteranopia

43.1481, 0.3004, 0.2943



Tritanopia

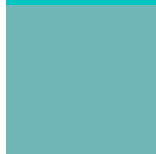
43.6878, 0.2220, 0.3050

Trichromacy



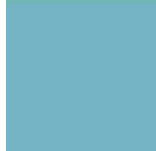
Original Color

43.7383, 0.2268, 0.3365



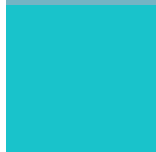
Protanomaly

40.3855, 0.2601, 0.3273



Deuteranomaly

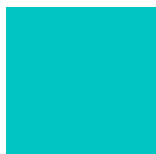
40.3410, 0.2535, 0.3054



Tritanomaly

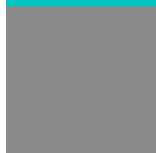
43.5487, 0.2232, 0.3166

Monochromacy



Original Color

43.7383, 0.2268, 0.3365



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.3396, 0.2546, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7383, 0.2268, 0.3365 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, 197, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 192)  
}
```

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, 197, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 192) }
```

Border

The CSS property to change the border of an element to Yxy 43.7383, 0.2268, 0.3365 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, 197, 192) }
```

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

```
.border{ border-color:rgb(0, 197, 192) }
```

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

Here you see how a box with a 4 pixel rgb(0, 197, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7383, 0.2268, 0.3365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 192) }
```

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

```
.background{ background-color: rgb(0, 197,  
192) }
```

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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