

Converting Colors

$Y_{xy}(47.1943, 0.2278, 0.3401)$

Have a look what the booklet for
Yxy(47.1943, 0.2278, 0.3401)
contains.

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Color

Yxy(47.1713, 0.2280, 0.3408)

Conversions

Conversions Part 1

Format	Color
Hex	00CCC4
RGB	0, 204, 196
RGB Percent	0%, 80%, 77%
CMY	1.0000, 0.2000, 0.2313
CMYK	1.00, 0.00, 0.04, 0.20
HSL	178°, 100%, 40%
HSV	178°, 100%, 80%
XYZ	31.5583, 47.1713, 59.6839
YIQ	142.0920, -119.0160, -45.7360

Conversions

Conversions Part 2

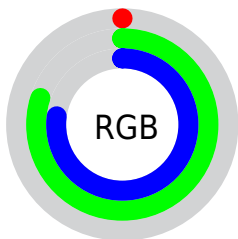
Format	Color
RYB	0, 104, 204
Decimal	52420
CIELab	74.30, -42.99, -7.99
CIELCh	74, 43.730, 190.530
Yxy	47.1713, 0.2280, 0.3408
Android (android.graphics.Color)	4278242500 (0xFF00CCC4)
YUV	142.0920, 26.5766, -124.6147
Hunter-Lab	68.6814, -38.1738, -3.4459

Details

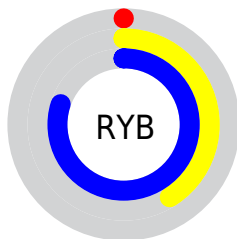
The Yxy color **47.1713, 0.2280, 0.3408** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **12.8551, 0.6364, 0.3280**, and the grayscale version is **27.0184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6760, 0.2409, 0.3311**, and **23.4479, 0.2286, 0.3430** is the 20% darker color. If you saturate the color by 10%, you get **47.1736, 0.2280, 0.3408**, and if you desaturate by 10%, it is **47.3629, 0.2290, 0.3395**.

Distribution



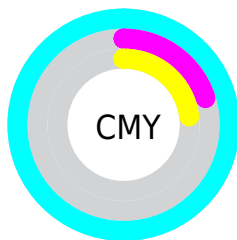
- Red (0%)
- Green (80%)
- Blue (77%)



- Red (0%)
- Yellow (41%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1713, 0.2280, 0.3408 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 47.1713, 0.2280, 0.3408 by changing the saturation by 10% instead.


 47.1713, 0.2280,
0.3408


 47.1713, 0.2280,
0.3408


375.4979, 0.2692,
0.3360

 33.1711, 0.2181,
0.3417


 85.9693, 0.2427,
0.3393


 22.2575, 0.2057,
0.3425


 111.5358, 0.2483,
0.3387


 14.0463, 0.1897,
0.3434


 141.7266, 0.2531,
0.3381

 8.1529, 0.1684,
0.3439

 176.9260, 0.2572,
0.3376

 4.1929, 0.1390,
0.3431

 217.5185, 0.2608,
0.3371

 1.7820, 0.0873,
0.3420

263.8883, 0.2639,

 0.4759, 0.0000,

0.3367

0.3056

316.4200, 0.2667,
0.3363

■ 0.0000, 0.0000,
0.0000

■ 47.1713, 0.2280,
0.3408

■ 47.1713, 0.2280,
0.3408

■ 47.1736, 0.2280,
0.3408

■ 47.3629, 0.2290,
0.3395

■ 47.7139, 0.2315,
0.3383

■ 48.2818, 0.2357,
0.3370

■ 49.0963, 0.2419,
0.3357

■ 50.1824, 0.2499,
0.3344

■ 51.5618, 0.2598,
0.3332

■ 53.2544, 0.2712,
0.3321

■ 55.2781, 0.2841,
0.3310

■ 57.6494, 0.2980,
0.3299

Harmonies

Analogous

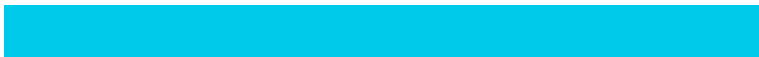
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.1713, 0.2728, 0.4016



47.1713, 0.2280, 0.3408



47.1713, 0.2061, 0.2835

Triad

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



47.1713, 0.2280, 0.3408



47.1713, 0.2850, 0.2427



47.1713, 0.4255, 0.4010

Complementary

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



47.1713, 0.2280, 0.3408



12.8551, 0.6364, 0.3280

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.



47.1713, 0.4325, 0.3559



47.1713, 0.2280, 0.3408



47.1713, 0.3466, 0.2696

Square

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



47.1713, 0.2280, 0.3408



47.1713, 0.2364, 0.2340



47.1713, 0.4028, 0.3095



47.1713, 0.3873, 0.4336

Rectangle

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



47.1713, 0.2280, 0.3408



47.1713, 0.2055, 0.2564



47.1713, 0.4028, 0.3095



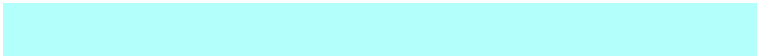
47.1713, 0.4319, 0.3866

Sweetspot

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



47.1736, 0.2280, 0.3408



88.0732, 0.2708, 0.3321



43.2525, 0.3009, 0.5993



18.5830, 0.2657, 0.3326



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.



47.1736, 0.2280, 0.3408



78.1148, 0.2281, 0.3410



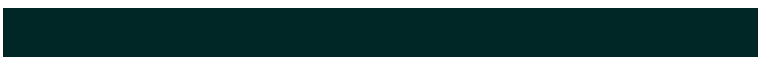
15.9925, 0.1816, 0.1738



12.7192, 0.2989, 0.3299



29.6943, 0.2280, 0.3406



1.5343, 0.2273, 0.3381

Inverse Universe

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



12.8551, 0.6364, 0.3280



21.2818, 0.6373, 0.3285



20.4575, 0.5564, 0.3964



11.2206, 0.3284, 0.3281



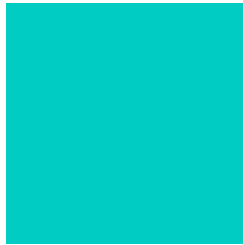
8.0942, 0.6354, 0.3274



0.4201, 0.6198, 0.3188

Previews

White Background



This preview shows how the Yxy color 47.1713, 0.2280, 0.3408 looks on a white background.

Color Contrast Check

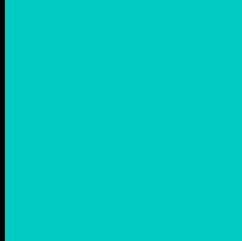
Large Text (above 18pt) WCAG AA × Fail

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 47.1713, 0.2280, 0.3408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

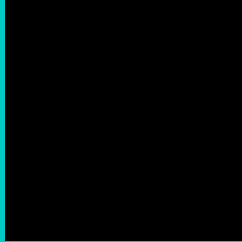
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

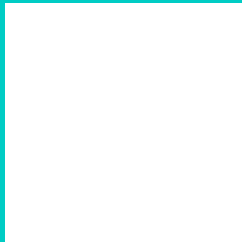
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1713, 0.2280, 0.3408

Background



This preview shows how black text looks on a background with the Yxy color 47.1713, 0.2280, 0.3408.

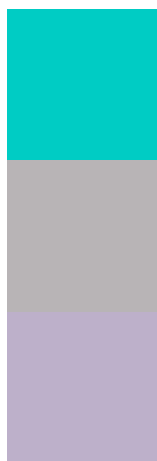


This preview shows how white text looks on a background with the Yxy color 47.1713, 0.2280, 0.3408.

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

47.1713, 0.2280, 0.3408

Protanopia

46.2103, 0.3146, 0.3264

Deuteranopia

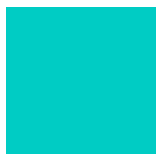
46.1338, 0.3032, 0.2965



Tritanopia

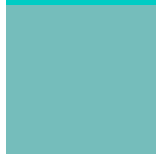
47.3185, 0.2226, 0.3058

Trichromacy



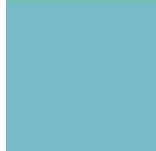
Original Color

47.1713, 0.2280, 0.3408



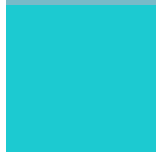
Protanomaly

43.7650, 0.2616, 0.3318



Deuteranomaly

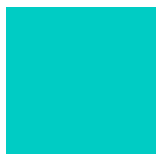
43.2810, 0.2550, 0.3089



Tritanomaly

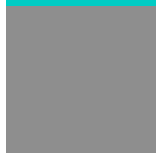
47.0914, 0.2239, 0.3185

Monochromacy



Original Color

47.1713, 0.2280, 0.3408



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.6926, 0.2549, 0.3339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1713, 0.2280, 0.3408 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, 204, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 196)  
}
```

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, 204, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 196) }
```

Border

The CSS property to change the border of an element to Yxy 47.1713, 0.2280, 0.3408 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, 204, 196) }
```

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

```
.border{ border-color:rgb(0, 204, 196) }
```

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

Here you see how a box with a 4 pixel rgb(0, 204, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1713, 0.2280, 0.3408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 196) }
```

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

```
.background{ background-color: rgb(0, 204,  
196) }
```

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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