

Converting Colors

$Y_{xy}(47.4225, 0.2257, 0.3326)$

Have a look what the booklet for
Yxy(47.4225, 0.2257, 0.3326)
contains.

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Color

Yxy(47.4028, 0.2259, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	00CCC9
RGB	0, 204, 201
RGB Percent	0%, 80%, 79%
CMY	0.9996, 0.2000, 0.2117
CMYK	1.00, 0.00, 0.01, 0.20
HSL	179°, 100%, 40%
HSV	179°, 100%, 80%
XYZ	32.1377, 47.4028, 62.7248
YIQ	142.6620, -120.6210, -44.1810

Conversions

Conversions Part 2

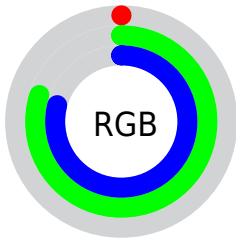
Format	Color
RYB	0, 103, 204
Decimal	52425
CIELab	74.45, -41.52, -10.47
CIELCh	74, 42.823, 194.154
Yxy	47.4028, 0.2259, 0.3332
Android (android.graphics.Color)	4278242505 (0xFF00CCC9)
YUV	142.6620, 28.7606, -125.1146
Hunter-Lab	68.8497, -37.1665, -5.8207

Details

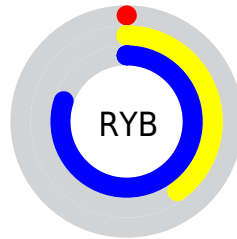
The Yxy color **47.4028, 0.2259, 0.3332** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **12.8466, 0.6386, 0.3292**, and the grayscale version is **27.2607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8042, 0.2402, 0.3288**, and **23.6015, 0.2258, 0.3327** is the 20% darker color. If you saturate the color by 10%, you get **47.4038, 0.2259, 0.3332**, and if you desaturate by 10%, it is **47.5720, 0.2271, 0.3327**.

Distribution



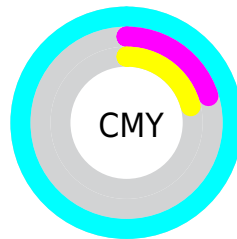
- Red (0%)
- Green (80%)
- Blue (79%)



- Red (0%)
- Yellow (40%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4028, 0.2259, 0.3332 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 47.4028, 0.2259, 0.3332 by changing the saturation by 10% instead.

 47.4028, 0.2259,
0.3332


 47.4028, 0.2259,
0.3332

376.4201, 0.2680,
0.3324

 33.3542, 0.2159,
0.3330


 86.3146, 0.2408,
0.3332

 22.3979, 0.2033,
0.3326


 111.9465, 0.2465,
0.3331

 14.1496, 0.1872,
0.3316


 142.2084, 0.2514,
0.3330

 8.2248, 0.1659,
0.3295

 177.4845, 0.2556,
0.3329

 4.2391, 0.1366,
0.3250

 218.1594, 0.2593,
0.3327

 1.8082, 0.0887,
0.3165

264.6173, 0.2625,

 0.4923, 0.0000,

0.3326

0.2745

317.2428, 0.2654,
0.3325

■ 0.0000, 0.0000,
0.0000

■ 47.4028, 0.2259,
0.3332

■ 47.4028, 0.2259,
0.3332

■ 47.4038, 0.2259,
0.3332

■ 47.5720, 0.2271,
0.3327

■ 47.9016, 0.2297,
0.3323

■ 48.4481, 0.2341,
0.3318

■ 49.2412, 0.2405,
0.3314

■ 50.3057, 0.2487,
0.3309

■ 51.6636, 0.2587,
0.3305

■ 53.3346, 0.2704,
0.3301

■ 55.3365, 0.2835,
0.3297

■ 57.6861, 0.2977,
0.3293

Harmonies

Analogous

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



47.4028, 0.2675, 0.3934



47.4028, 0.2259, 0.3332



47.4028, 0.2073, 0.2790

Triad

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



47.4028, 0.2259, 0.3332



47.4028, 0.2925, 0.2467



47.4028, 0.4201, 0.4045

Complementary

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



47.4028, 0.2259, 0.3332



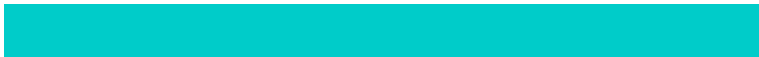
12.8466, 0.6386, 0.3292

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.



47.4028, 0.4309, 0.3611



47.4028, 0.2259, 0.3332



47.4028, 0.3532, 0.2749

Square

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



47.4028, 0.2259, 0.3332



47.4028, 0.2427, 0.2359



47.4028, 0.4060, 0.3153



47.4028, 0.3798, 0.4336

Rectangle

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



47.4028, 0.2259, 0.3332



47.4028, 0.2086, 0.2543



47.4028, 0.4060, 0.3153



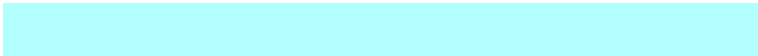
47.4028, 0.4275, 0.3909

Sweetspot

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



47.4046, 0.2259, 0.3332



88.1924, 0.2699, 0.3301



43.2088, 0.3003, 0.5997



18.6120, 0.2647, 0.3303



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.



47.4046, 0.2259, 0.3332



78.5021, 0.2259, 0.3333



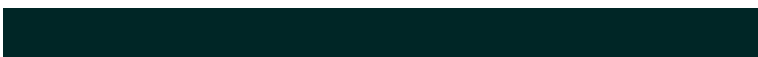
14.5563, 0.1785, 0.1624



12.7241, 0.2986, 0.3293



29.8377, 0.2259, 0.3331



1.5402, 0.2256, 0.3322

Inverse Universe

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



12.8466, 0.6386, 0.3292



21.2682, 0.6390, 0.3294



21.6966, 0.5465, 0.4042



11.2163, 0.3288, 0.3287



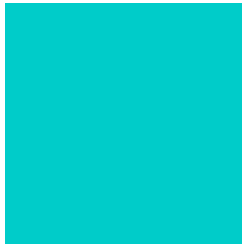
8.0853, 0.6383, 0.3290



0.4181, 0.6323, 0.3257

Previews

White Background



This preview shows how the Yxy color 47.4028, 0.2259, 0.3332 looks on a white background.

Color Contrast Check

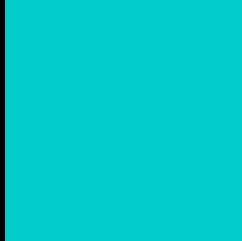
Large Text (above 18pt) WCAG AA × Fail

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 47.4028, 0.2259, 0.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

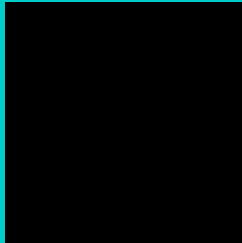
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

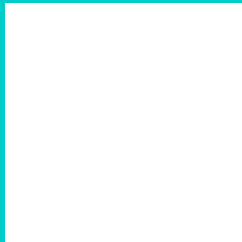
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.4028, 0.2259, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 47.4028, 0.2259, 0.3332.

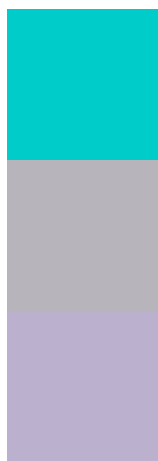


This preview shows how white text looks on a background with the Yxy color 47.4028, 0.2259, 0.3332.

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

47.4028, 0.2259, 0.3332

Protanopia

46.7029, 0.3097, 0.3212

Deuteranopia

46.5141, 0.2977, 0.2916



Tritanopia

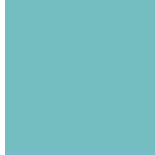
47.2864, 0.2215, 0.3044

Trichromacy



Original Color

47.4028, 0.2259, 0.3332



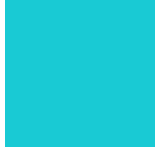
Protanomaly

43.9140, 0.2580, 0.3245



Deuteranomaly

43.8704, 0.2518, 0.3034



Tritanomaly

47.2012, 0.2223, 0.3142

Monochromacy



Original Color

47.4028, 0.2259, 0.3332



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

31.8147, 0.2542, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4028, 0.2259, 0.3332 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 201) }
```

Border

The CSS property to change the border of an element to Yxy 47.4028, 0.2259, 0.3332 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, 201) }
```

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

```
.border{ border-color:rgb(0, 204, 201) }
```

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, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4028, 0.2259, 0.3332 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, 201) }
```

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

```
.background{ background-color: rgb(0, 204,  
201) }
```

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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