

Converting Colors

$Y_{xy}(47.1431, 0.2283, 0.3418)$

Have a look what the booklet for
Yxy(47.1431, 0.2283, 0.3418)
contains.

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Color

Yxy(47.1259, 0.2284, 0.3424)

Conversions

Conversions Part 1

Format	Color
Hex	00CCC3
RGB	0, 204, 195
RGB Percent	0%, 80%, 76%
CMY	1.0000, 0.1999, 0.2353
CMYK	1.00, 0.00, 0.04, 0.20
HSL	177°, 100%, 40%
HSV	177°, 100%, 80%
XYZ	31.4356, 47.1259, 59.0725
YIQ	141.9780, -118.6950, -46.0470

Conversions

Conversions Part 2

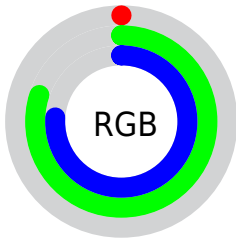
Format	Color
RYB	0, 104, 204
Decimal	52419
CIELab	74.27, -43.32, -7.48
CIELCh	74, 43.959, 189.798
Yxy	47.1259, 0.2284, 0.3424
Android (android.graphics.Color)	4278242499 (0xFF00CCC3)
YUV	141.9780, 26.1398, -124.5147
Hunter-Lab	68.6483, -38.3953, -2.9658

Details

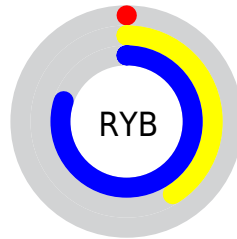
The Yxy color **47.1259, 0.2284, 0.3424** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **12.8591, 0.6360, 0.3277**, and the grayscale version is **26.9746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5492, 0.2417, 0.3335**, and **23.4180, 0.2292, 0.3450** is the 20% darker color. If you saturate the color by 10%, you get **47.1330, 0.2285, 0.3424**, and if you desaturate by 10%, it is **47.3269, 0.2294, 0.3410**.

Distribution



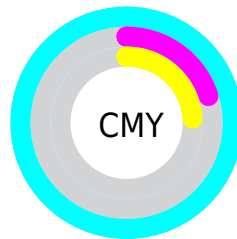
- Red (0%)
- Green (80%)
- Blue (76%)



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



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





- Cyan (100%)
- Magenta (20%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1259, 0.2284, 0.3424 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 47.1259, 0.2284, 0.3424 by changing the saturation by 10% instead.

 47.1259, 0.2284,
0.3424

 47.1259, 0.2284,
0.3424


375.3168, 0.2695,
0.3367


 33.1352, 0.2186,
0.3435


 85.9015, 0.2430,
0.3406


 22.2300, 0.2062,
0.3447


 111.4552, 0.2486,
0.3398

 14.0260, 0.1902,
0.3459


 141.6321, 0.2534,
0.3392

 8.1388, 0.1689,
0.3469

 176.8164, 0.2575,
0.3386

 4.1839, 0.1394,
0.3470

 217.3927, 0.2611,
0.3381

 1.7769, 0.0869,
0.3475

263.7452, 0.2642,

 0.4727, 0.0000,

0.3376

0.3126

316.2585, 0.2670,
0.3371

■ 0.0000, 0.0000,
0.0000

■ 47.1259, 0.2284,
0.3424

■ 47.1259, 0.2284,
0.3424

■ 47.1330, 0.2285,
0.3424

■ 47.3269, 0.2294,
0.3410

■ 47.6824, 0.2318,
0.3395

■ 48.2550, 0.2360,
0.3381

■ 49.0742, 0.2422,
0.3366

■ 50.1651, 0.2502,
0.3352

■ 51.5494, 0.2600,
0.3338

■ 53.2470, 0.2714,
0.3325

■ 55.2758, 0.2842,
0.3312

■ 57.6524, 0.2981,
0.3301

Harmonies

Analogous

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



47.1259, 0.2739, 0.4033



47.1259, 0.2284, 0.3424



47.1259, 0.2058, 0.2844

Triad

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



47.1259, 0.2284, 0.3424



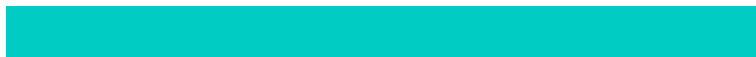
47.1259, 0.2835, 0.2419



47.1259, 0.4267, 0.4003

Complementary

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



47.1259, 0.2284, 0.3424



12.8591, 0.6360, 0.3277

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.



47.1259, 0.4329, 0.3548



47.1259, 0.2284, 0.3424



47.1259, 0.3452, 0.2684

Square

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



47.1259, 0.2284, 0.3424



47.1259, 0.2351, 0.2336



47.1259, 0.4022, 0.3083



47.1259, 0.3889, 0.4337

Rectangle

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



47.1259, 0.2284, 0.3424



47.1259, 0.2048, 0.2568



47.1259, 0.4022, 0.3083



47.1259, 0.4328, 0.3858

Sweetspot

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



47.1330, 0.2285, 0.3424



88.0486, 0.2710, 0.3325



43.2584, 0.3009, 0.5993



18.5770, 0.2659, 0.3331



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.



47.1330, 0.2285, 0.3424



78.0360, 0.2285, 0.3426



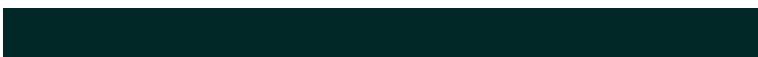
15.9946, 0.1816, 0.1738



12.7182, 0.2989, 0.3300



29.6652, 0.2284, 0.3422



1.5331, 0.2276, 0.3394

Inverse Universe

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



12.8591, 0.6360, 0.3277



21.2848, 0.6370, 0.3283



20.4602, 0.5564, 0.3964



11.2216, 0.3283, 0.3280



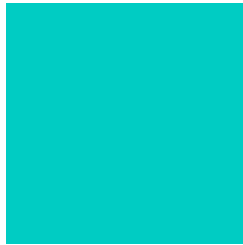
8.0960, 0.6348, 0.3271



0.4205, 0.6173, 0.3174

Previews

White Background



This preview shows how the Yxy color 47.1259, 0.2284, 0.3424 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 47.1259, 0.2284, 0.3424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

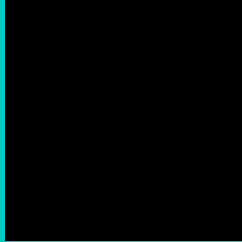
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

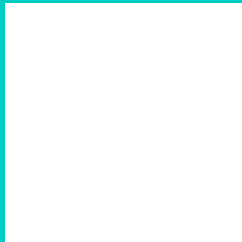
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1259, 0.2284, 0.3424

Background



This preview shows how black text looks on a background with the Yxy color 47.1259, 0.2284, 0.3424.

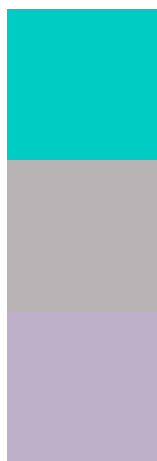


This preview shows how white text looks on a background with the Yxy color 47.1259, 0.2284, 0.3424.

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

47.1259, 0.2284, 0.3424

Protanopia

46.1691, 0.3154, 0.3277

Deuteranopia

46.2149, 0.3048, 0.2978



Tritanopia

47.3185, 0.2226, 0.3058

Trichromacy



Original Color

47.1259, 0.2284, 0.3424



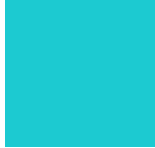
Protanomaly

43.7223, 0.2622, 0.3332



Deuteranomaly

43.3063, 0.2562, 0.3103



Tritanomaly

47.0914, 0.2239, 0.3185

Monochromacy



Original Color

47.1259, 0.2284, 0.3424



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.6571, 0.2556, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1259, 0.2284, 0.3424 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 195) }
```

Border

The CSS property to change the border of an element to Yxy 47.1259, 0.2284, 0.3424 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, 195) }
```

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

```
.border{ border-color:rgb(0, 204, 195) }
```

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, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1259, 0.2284, 0.3424 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, 195) }
```

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

```
.background{ background-color: rgb(0, 204,  
195) }
```

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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