

Converting Colors

$Yxy(47.0333, 0.2293, 0.3456)$

Have a look what the booklet for
Yxy(47.0333, 0.2293, 0.3456)
contains.

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Color

Yxy(47.0360, 0.2293, 0.3455)

Conversions

Conversions Part 1

Format	Color
Hex	00CCC1
RGB	0, 204, 193
RGB Percent	0%, 80%, 76%
CMY	1.0000, 0.2000, 0.2431
CMYK	1.00, 0.00, 0.05, 0.20
HSL	177°, 100%, 40%
HSV	177°, 100%, 80%
XYZ	31.2167, 47.0360, 57.8863
YIQ	141.7500, -118.0530, -46.6690

Conversions

Conversions Part 2

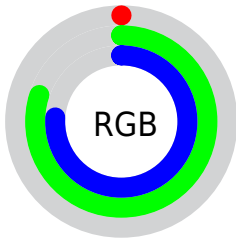
Format	Color
RYB	0, 105, 204
Decimal	52417
CIELab	74.21, -43.87, -6.48
CIELCh	74, 44.351, 188.402
Yxy	47.0360, 0.2293, 0.3455
Android (android.graphics.Color)	4278242497 (0xFF00CC1)
YUV	141.7500, 25.2662, -124.3148
Hunter-Lab	68.5828, -38.7725, -2.0349

Details

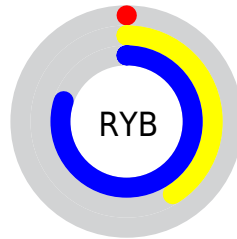
The Yxy color **47.0360, 0.2293, 0.3455** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **12.8624, 0.6351, 0.3272**, and the grayscale version is **26.8810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3628, 0.2422, 0.3358**, and **23.3883, 0.2298, 0.3471** is the 20% darker color. If you saturate the color by 10%, you get **47.0389, 0.2293, 0.3455**, and if you desaturate by 10%, it is **47.2411, 0.2302, 0.3437**.

Distribution



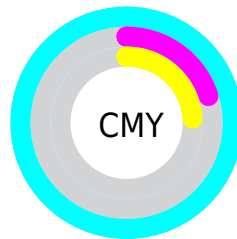
- Red (0%)
- Green (80%)
- Blue (76%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (20%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0360, 0.2293, 0.3455 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 47.0360, 0.2293, 0.3455 by changing the saturation by 10% instead.


 47.0360, 0.2293,
0.3455

 47.0360, 0.2293,
0.3455


374.9582, 0.2700,
0.3382


 33.0641, 0.2195,
0.3470


 85.7674, 0.2438,
0.3431

 22.1756, 0.2072,
0.3488


 111.2956, 0.2494,
0.3421


 13.9860, 0.1913,
0.3507


 141.4448, 0.2541,
0.3412

 8.1109, 0.1700,
0.3529

 176.5993, 0.2581,
0.3405

 4.1660, 0.1404,
0.3547

 217.1435, 0.2617,
0.3398

 1.7668, 0.0862,
0.3587

263.4618, 0.2648,

 0.4664, 0.0000,

0.3392

0.3268

315.9385, 0.2676,
0.3387

0.0000, 0.0000,
0.0000

47.0360, 0.2293,
0.3455

47.0360, 0.2293,
0.3455

47.0389, 0.2293,
0.3455

47.2411, 0.2302,
0.3437

47.6052, 0.2326,
0.3420

48.1864, 0.2367,
0.3402

49.0143, 0.2428,
0.3384

50.1140, 0.2507,
0.3366

■ 51.5072, 0.2605,
0.3349

■ 53.2138, 0.2718,
0.3333

■ 55.2517, 0.2845,
0.3317

■ 57.6374, 0.2982,
0.3303

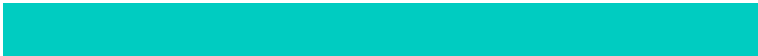
Harmonies

Analogous

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



47.0360, 0.2761, 0.4065



47.0360, 0.2293, 0.3455



47.0360, 0.2054, 0.2862

Triad

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



47.0360, 0.2293, 0.3455



47.0360, 0.2805, 0.2403



47.0360, 0.4288, 0.3988

Complementary

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



47.0360, 0.2293, 0.3455



12.8624, 0.6351, 0.3272

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.



47.0360, 0.4334, 0.3527



47.0360, 0.2293, 0.3455



47.0360, 0.3425, 0.2663

Square

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



47.0360, 0.2293, 0.3455



47.0360, 0.2326, 0.2329



47.0360, 0.4008, 0.3060



47.0360, 0.3918, 0.4335

Rectangle

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



47.0360, 0.2293, 0.3455



47.0360, 0.2036, 0.2577



47.0360, 0.4008, 0.3060



47.0360, 0.4345, 0.3840

Sweetspot

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



47.0389, 0.2293, 0.3455



88.0013, 0.2713, 0.3333



43.2787, 0.3013, 0.5990



18.5655, 0.2663, 0.3340



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.



47.0389, 0.2293, 0.3455



77.8856, 0.2294, 0.3457



16.7594, 0.1832, 0.1796



12.7162, 0.2991, 0.3302



29.6095, 0.2292, 0.3453



1.5308, 0.2283, 0.3418

Inverse Universe

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



12.8624, 0.6351, 0.3272



21.2910, 0.6362, 0.3278



19.8839, 0.5612, 0.3926



11.2233, 0.3282, 0.3278



8.0996, 0.6336, 0.3264



0.4214, 0.6125, 0.3148

Previews

White Background



This preview shows how the Yxy color 47.0360, 0.2293, 0.3455 looks on a white background.

Color Contrast Check

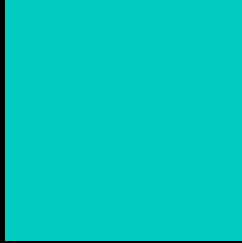
Large Text (above 18pt) WCAG AA × Fail

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 47.0360, 0.2293, 0.3455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

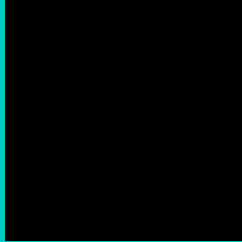
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

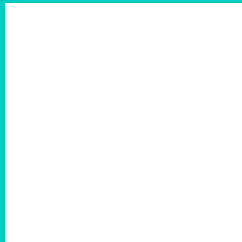
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.0360, 0.2293, 0.3455

Background



This preview shows how black text looks on a background with the Yxy color 47.0360, 0.2293, 0.3455.

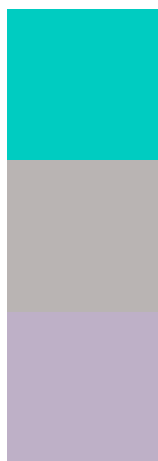


This preview shows how white text looks on a background with the Yxy color 47.0360, 0.2293, 0.3455.

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

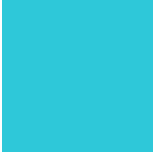
47.0360, 0.2293, 0.3455

Protanopia

46.2115, 0.3178, 0.3303

Deuteranopia

46.1213, 0.3064, 0.3002



Tritanopia

46.8991, 0.2226, 0.3044

Trichromacy



Original Color

47.0360, 0.2293, 0.3455



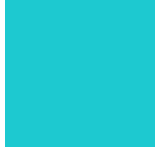
Protanomaly

43.7074, 0.2640, 0.3362



Deuteranomaly

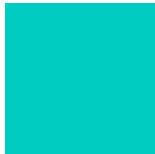
43.2140, 0.2574, 0.3131



Tritanomaly

46.5886, 0.2240, 0.3184

Monochromacy



Original Color

47.0360, 0.2293, 0.3455



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 47.0360, 0.2293, 0.3455 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 193) }
```

Border

The CSS property to change the border of an element to Yxy 47.0360, 0.2293, 0.3455 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, 193) }
```

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

```
.border{ border-color:rgb(0, 204, 193) }
```

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, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0360, 0.2293, 0.3455 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, 193) }
```

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

```
.background{ background-color: rgb(0, 204,  
193) }
```

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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