

Converting Colors

$Y_{xy}(34.5656, 0.2080, 0.3386)$

Have a look what the booklet for
Yxy(34.5656, 0.2080, 0.3386)
contains.

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Color

Yxy(36.1429, 0.2275, 0.3389)

Conversions

Conversions Part 1

Format	Color
Hex	00B5AF
RGB	0, 181, 175
RGB Percent	0%, 71%, 69%
CMY	0.9988, 0.2902, 0.3138
CMYK	1.00, 0.00, 0.03, 0.29
HSL	178°, 100%, 36%
HSV	178°, 100%, 71%
XYZ	24.2623, 36.1429, 46.2424
YIQ	126.1970, -105.9500, -40.2380

Conversions

Conversions Part 2

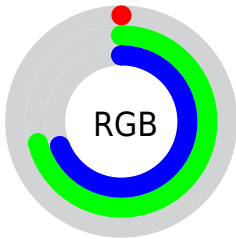
Format	Color
RYB	0, 92, 181
Decimal	46511
CIELab	66.63, -38.98, -7.87
CIELCh	67, 39.769, 191.414
Yxy	36.1429, 0.2275, 0.3389
Android (android.graphics.Color)	4278236591 (0xFF00B5AF)
YUV	126.1970, 24.0599, -110.6748
Hunter-Lab	60.1190, -33.1705, -3.5215

Details

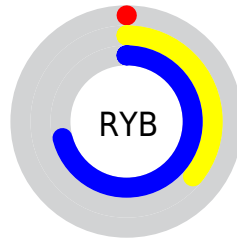
The Yxy color **36.1429, 0.2275, 0.3389** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **9.8443, 0.6362, 0.3280**, and the grayscale version is **20.9099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5149, 0.2437, 0.3388**, and **16.6088, 0.2272, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **36.1419, 0.2275, 0.3389**, and if you desaturate by 10%, it is **36.2986, 0.2287, 0.3378**.

Distribution



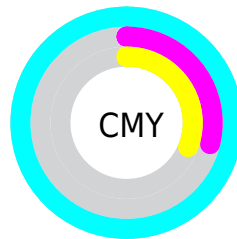
- Red (0%)
- Green (71%)
- Blue (69%)



- Red (0%)
- Yellow (36%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (29%)




- Cyan (100%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.1429, 0.2275, 0.3389 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 36.1429, 0.2275, 0.3389 by changing the saturation by 10% instead.


 36.1429, 0.2275,
0.3389


 36.1429, 0.2275,
0.3389


329.5847, 0.2708,
0.3349

 24.5446, 0.2166,
0.3395


 69.2526, 0.2434,
0.3377

 15.7381, 0.2025,
0.3401

 91.5327, 0.2493,
0.3371

 9.3390, 0.1838,
0.3405


 118.1423, 0.2543,
0.3367

 4.9630, 0.1580,
0.3399

 149.4656, 0.2586,
0.3362

 2.2255, 0.1207,
0.3365

 185.8871, 0.2623,
0.3358

 0.7339, 0.0000,
0.3435

227.7912, 0.2655,

 0.0000, 0.0000,

0.3355

0.0000

275.5623, 0.2683,
0.3352

■ 36.1429, 0.2275,
0.3389

■ 36.1429, 0.2275,
0.3389

■ 36.1419, 0.2275,
0.3389

■ 36.2986, 0.2287,
0.3378

■ 36.5741, 0.2313,
0.3368

■ 37.0150, 0.2357,
0.3357

■ 37.6429, 0.2420,
0.3346

■ 38.4764, 0.2501,
0.3336

■ 39.5316, 0.2600,
0.3325

■ 40.8232, 0.2715,
0.3315

■ 42.3646, 0.2844,
0.3306

■ 44.1681, 0.2983,
0.3298

Harmonies

Analogous

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



36.1429, 0.2715, 0.3996



36.1429, 0.2275, 0.3389



36.1429, 0.2065, 0.2824

Triad

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



36.1429, 0.2275, 0.3389



36.1429, 0.2869, 0.2437



36.1429, 0.4242, 0.4018

Complementary

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



36.1429, 0.2275, 0.3389



9.8443, 0.6362, 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.



36.1429, 0.4321, 0.3571



36.1429, 0.2275, 0.3389



36.1429, 0.3482, 0.2709

Square

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



36.1429, 0.2275, 0.3389



36.1429, 0.2380, 0.2345



36.1429, 0.4036, 0.3109



36.1429, 0.3854, 0.4336

Rectangle

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



36.1429, 0.2275, 0.3389



36.1429, 0.2063, 0.2559



36.1429, 0.4036, 0.3109



36.1429, 0.4307, 0.3877

Sweetspot

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



36.1443, 0.2275, 0.3389



72.9444, 0.2707, 0.3316



33.1090, 0.3011, 0.5990



15.5498, 0.2658, 0.3320



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.1443, 0.2275, 0.3389



64.7217, 0.2275, 0.3391



12.3926, 0.1821, 0.1753



9.6266, 0.2990, 0.3297



24.9174, 0.2274, 0.3388



0.7855, 0.2266, 0.3358

Inverse Universe

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



9.8443, 0.6362, 0.3280



17.6113, 0.6375, 0.3285



15.8016, 0.5547, 0.3976



8.5097, 0.3282, 0.3283



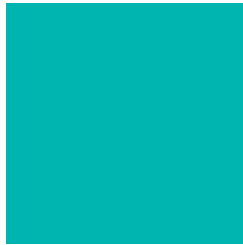
6.7835, 0.6357, 0.3275



0.2149, 0.6176, 0.3176

Previews

White Background



This preview shows how the Yxy color 36.1429, 0.2275, 0.3389 looks on a white background.

Color Contrast Check

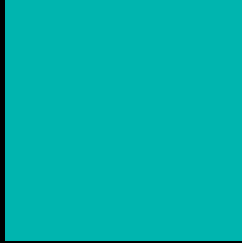
Large Text (above 18pt) WCAG AA × Fail

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 36.1429, 0.2275, 0.3389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

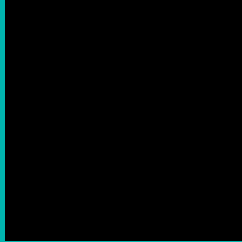
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

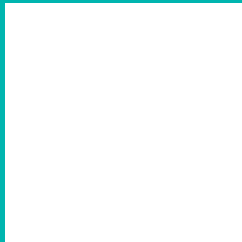
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.1429, 0.2275, 0.3389

Background



This preview shows how black text looks on a background with the Yxy color 36.1429, 0.2275, 0.3389.

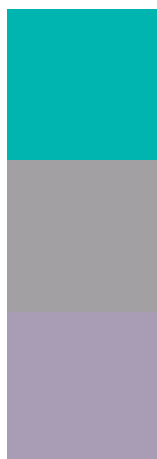


This preview shows how white text looks on a background with the Yxy color 36.1429, 0.2275, 0.3389.

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

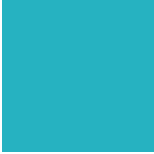
36.1429, 0.2275, 0.3389

Protanopia

35.5725, 0.3129, 0.3247

Deuteranopia

35.7341, 0.3029, 0.2970



Tritanopia

36.1031, 0.2224, 0.3047

Trichromacy



Original Color

36.1429, 0.2275, 0.3389



Protanomaly

33.7383, 0.2614, 0.3305



Deuteranomaly

33.6126, 0.2556, 0.3098



Tritanomaly

35.9796, 0.2236, 0.3173

Monochromacy



Original Color

36.1429, 0.2275, 0.3389



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

24.2769, 0.2551, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1429, 0.2275, 0.3389 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, 181, 175)` looks like.

```
.text, #text, p{  
  color:rgb(0, 181, 175)  
}
```

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, 181, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 175) }
```

Border

The CSS property to change the border of an element to Yxy 36.1429, 0.2275, 0.3389 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, 181, 175) }
```

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

```
.border{ border-color:rgb(0, 181, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1429, 0.2275, 0.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 175) }
```

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

```
.background{ background-color: rgb(0, 181,  
175) }
```

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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