

Converting Colors

$Y_{xy}(32.3922, 0.2324, 0.3589)$

Have a look what the booklet for
Yxy(32.3922, 0.2324, 0.3589)
contains.

Yxy(32.3215, 0.2327, 0.3576)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.3215, 0.2327, 0.3576)

Conversions

Conversions Part 1

Format	Color
Hex	00AD9D
RGB	0, 173, 157
RGB Percent	0%, 68%, 62%
CMY	0.9987, 0.3216, 0.3843
CMYK	1.00, 0.00, 0.09, 0.32
HSL	174°, 100%, 34%
HSV	174°, 100%, 68%
XYZ	21.0325, 32.3215, 37.0305
YIQ	119.4490, -97.9720, -41.6520

Conversions

Conversions Part 2

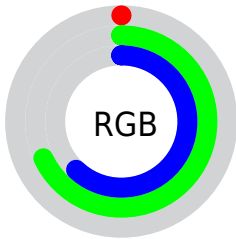
Format	Color
RYB	0, 91, 173
Decimal	44445
CIELab	63.61, -40.71, -2.35
CIELCh	64, 40.777, 183.302
Yxy	32.3215, 0.2327, 0.3576
Android (android.graphics.Color)	4278234525 (0xFF00AD9D)
YUV	119.4490, 18.5126, -104.7568
Hunter-Lab	56.8520, -33.4547, 1.1779

Details

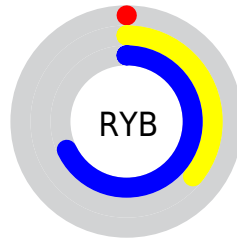
The Yxy color **32.3215, 0.2327, 0.3576** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.9293, 0.6286, 0.3238**, and the grayscale version is **18.5929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1747, 0.2484, 0.3526**, and **14.4735, 0.2345, 0.3643** is the 20% darker color. If you saturate the color by 10%, you get **32.3196, 0.2327, 0.3577**, and if you desaturate by 10%, it is **32.5007, 0.2335, 0.3545**.

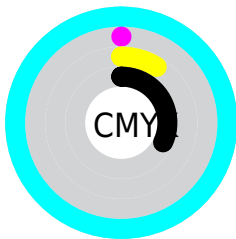
Distribution



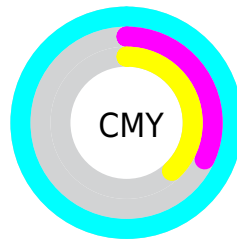
- Red (0%)
- Green (68%)
- Blue (62%)



- Red (0%)
- Yellow (36%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (32%)





- Cyan (100%)
- Magenta (32%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.3215, 0.2327, 0.3576 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 32.3215, 0.2327, 0.3576 by changing the saturation by 10% instead.

 32.3215, 0.2327,
0.3576


 32.3215, 0.2327,
0.3576

 312.5812, 0.2745,
0.3430

 21.6072, 0.2217,
0.3613


 63.3148, 0.2483,
0.3522

 13.5686, 0.2074,
0.3661


 84.3625, 0.2540,
0.3502


 7.8212, 0.1878,
0.3724


 109.6235, 0.2588,
0.3485

 3.9808, 0.1599,
0.3810

 139.4821, 0.2629,
0.3471

 1.6628, 0.1050,
0.3985

 174.3228, 0.2664,
0.3459

 0.3994, 0.0000,
0.4000

 214.5300, 0.2695,

 0.0000, 0.0000,

0.3448

0.0000

260.4880, 0.2721,
0.3438

■ 32.3215, 0.2327,
0.3576

■ 32.3215, 0.2327,
0.3576

■ 32.3196, 0.2327,
0.3577

■ 32.5007, 0.2335,
0.3545

■ 32.7875, 0.2357,
0.3514

■ 33.2241, 0.2398,
0.3483

■ 33.8297, 0.2457,
0.3451

■ 34.6210, 0.2534,
0.3421

■ 35.6124, 0.2629,
0.3391

■ 36.8170, 0.2738,
0.3363

■ 38.2467, 0.2860,
0.3337

■ 39.9126, 0.2991,
0.3312

Harmonies

Analogous

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



32.3215, 0.2843, 0.4189



32.3215, 0.2327, 0.3576



32.3215, 0.2038, 0.2934

Triad

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



32.3215, 0.2327, 0.3576



32.3215, 0.2693, 0.2344



32.3215, 0.4370, 0.3933

Complementary

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



32.3215, 0.2327, 0.3576



8.9293, 0.6286, 0.3238

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.



32.3215, 0.4353, 0.3447



32.3215, 0.2327, 0.3576



32.3215, 0.3322, 0.2583

Square

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



32.3215, 0.2327, 0.3576



32.3215, 0.2233, 0.2302



32.3215, 0.3955, 0.2972



32.3215, 0.4031, 0.4329

Rectangle

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



32.3215, 0.2327, 0.3576



32.3215, 0.1990, 0.2612



32.3215, 0.3955, 0.2972



32.3215, 0.4408, 0.3775

Sweetspot

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



32.3227, 0.2327, 0.3576



65.7734, 0.2730, 0.3365



30.0115, 0.3025, 0.5978



14.0954, 0.2684, 0.3376



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



32.3227, 0.2327, 0.3576



57.8679, 0.2328, 0.3582



12.9052, 0.1871, 0.1933



9.0591, 0.2998, 0.3311



23.7489, 0.2326, 0.3573



0.6643, 0.2300, 0.3479

Inverse Universe

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



8.9293, 0.6286, 0.3238



15.9646, 0.6312, 0.3251



13.1894, 0.5684, 0.3867



8.0270, 0.3272, 0.3269



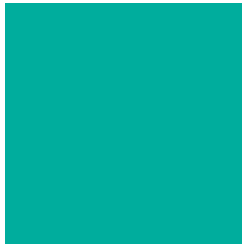
6.5583, 0.6274, 0.3230



0.1862, 0.5795, 0.2966

Previews

White Background



This preview shows how the Yxy color 32.3215, 0.2327, 0.3576 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 32.3215, 0.2327, 0.3576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

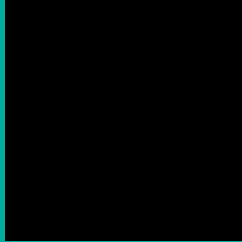
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3215, 0.2327, 0.3576

Background



This preview shows how black text looks on a background with the Yxy color 32.3215, 0.2327, 0.3576.

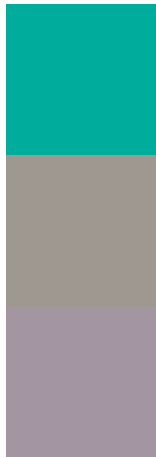


This preview shows how white text looks on a background with the Yxy color 32.3215, 0.2327, 0.3576.

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

32.3215, 0.2327, 0.3576

Protanopia

31.7699, 0.3255, 0.3397

Deuteranopia

31.9960, 0.3156, 0.3100



Tritanopia

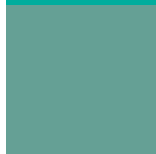
32.3084, 0.2243, 0.3053

Trichromacy



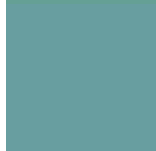
Original Color

32.3215, 0.2327, 0.3576



Protanomaly

30.0782, 0.2702, 0.3479



Deuteranomaly

29.9348, 0.2640, 0.3255



Tritanomaly

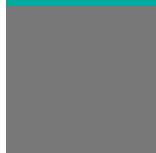
32.0385, 0.2257, 0.3218

Monochromacy



Original Color

32.3215, 0.2327, 0.3576



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.6952, 0.2584, 0.3408

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3215, 0.2327, 0.3576 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, 173, 157)` looks like.

```
.text, #text, p{  
  color:rgb(0, 173, 157)  
}
```

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, 173, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 157) }
```

Border

The CSS property to change the border of an element to Yxy 32.3215, 0.2327, 0.3576 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, 173, 157) }
```

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

```
.border{ border-color:rgb(0, 173, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 173, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3215, 0.2327, 0.3576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 157) }
```

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

```
.background{ background-color: rgb(0, 173,  
157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor