

Converting Colors

$Y_{xy}(32.8833, 0.2322, 0.3642)$

Have a look what the booklet for
Yxy(32.8833, 0.2322, 0.3642)
contains.

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Color

Yxy(33.0265, 0.2347, 0.3648)

Conversions

Conversions Part 1

Format	Color
Hex	00AF9B
RGB	0, 175, 155
RGB Percent	0%, 69%, 61%
CMY	0.9987, 0.3137, 0.3922
CMYK	1.00, 0.00, 0.11, 0.31
HSL	173°, 100%, 34%
HSV	173°, 100%, 69%
XYZ	21.2481, 33.0265, 36.2585
YIQ	120.3950, -97.8800, -43.3200

Conversions

Conversions Part 2

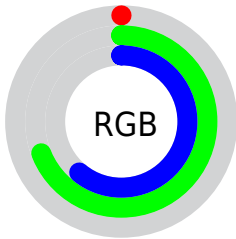
Format	Color
RYB	0, 93, 175
Decimal	44955
CIELab	64.18, -42.16, -0.38
CIELCh	64, 42.158, 180.518
Yxy	33.0265, 0.2347, 0.3648
Android (android.graphics.Color)	4278235035 (0xFF00AF9B)
YUV	120.3950, 17.0603, -105.5864
Hunter-Lab	57.4687, -34.5727, 2.8204

Details

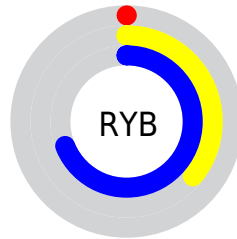
The Yxy color **33.0265, 0.2347, 0.3648** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.1726, 0.6251, 0.3219**, and the grayscale version is **18.9153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1882, 0.2498, 0.3579**, and **14.6742, 0.2367, 0.3720** is the 20% darker color. If you saturate the color by 10%, you get **33.0244, 0.2347, 0.3649**, and if you desaturate by 10%, it is **33.2205, 0.2353, 0.3609**.

Distribution



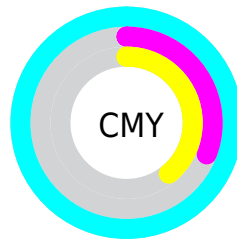
- Red (0%)
- Green (69%)
- Blue (61%)



- Red (0%)
- Yellow (36%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (31%)




- Cyan (100%)
- Magenta (31%)
- Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 33.0265, 0.2347, 0.3648 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 33.0265, 0.2347, 0.3648 by changing the saturation by 10% instead.


 33.0265, 0.2347,
0.3648


 33.0265, 0.2347,
0.3648


 315.7691, 0.2755,
0.3462


 22.1467, 0.2240,
0.3697


 64.4169, 0.2499,
0.3579

 13.9648, 0.2100,
0.3761


 85.6963, 0.2555,
0.3553

 8.0962, 0.1908,
0.3847


 111.2111, 0.2602,
0.3532


 4.1565, 0.1635,
0.3971

 141.3457, 0.2642,
0.3513

 1.7615, 0.1107,
0.4209

 176.4843, 0.2676,
0.3498

 0.4630, 0.0000,
0.4659

 217.0115, 0.2706,

 0.0000, 0.0000,

0.3484

0.0000

263.3117, 0.2732,
0.3472

■ 33.0265, 0.2347,
0.3648

■ 33.0265, 0.2347,
0.3648

■ 33.0244, 0.2347,
0.3649

■ 33.2205, 0.2353,
0.3609

■ 33.5257, 0.2374,
0.3570

■ 33.9850, 0.2412,
0.3530

■ 34.6183, 0.2470,
0.3491

■ 35.4427, 0.2546,
0.3453

■ 36.4731, 0.2639,
0.3416

■ 37.7229, 0.2746,
0.3381

■ 39.2045, 0.2865,
0.3348

■ 40.9292, 0.2994,
0.3317

Harmonies

Analogous

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



33.0265, 0.2892, 0.4260



33.0265, 0.2347, 0.3648



33.0265, 0.2028, 0.2978

Triad

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



33.0265, 0.2347, 0.3648



33.0265, 0.2629, 0.2309



33.0265, 0.4416, 0.3901

Complementary

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



33.0265, 0.2347, 0.3648



9.1726, 0.6251, 0.3219

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.



33.0265, 0.4363, 0.3401



33.0265, 0.2347, 0.3648



33.0265, 0.3263, 0.2536

Square

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



33.0265, 0.2347, 0.3648



33.0265, 0.2181, 0.2287



33.0265, 0.3923, 0.2922



33.0265, 0.4096, 0.4323

Rectangle

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



33.0265, 0.2347, 0.3648



33.0265, 0.1964, 0.2632



33.0265, 0.3923, 0.2922



33.0265, 0.4444, 0.3737

Sweetspot

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



33.0278, 0.2347, 0.3648



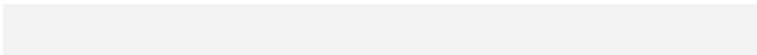
67.3903, 0.2738, 0.3383



30.8165, 0.3031, 0.5974



14.7644, 0.2692, 0.3398



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.0278, 0.2347, 0.3648



59.1254, 0.2349, 0.3655



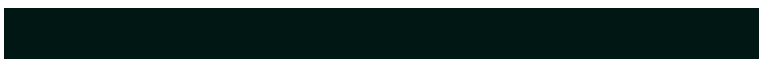
13.8309, 0.1887, 0.1991



9.0560, 0.3001, 0.3316



23.6559, 0.2346, 0.3644



0.6625, 0.2313, 0.3526

Inverse Universe

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



9.1726, 0.6251, 0.3219



16.3974, 0.6281, 0.3234



13.1626, 0.5732, 0.3829



8.0297, 0.3269, 0.3264



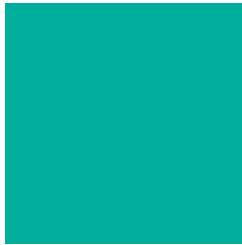
6.5680, 0.6236, 0.3209



0.1873, 0.5673, 0.2899

Previews

White Background



This preview shows how the Yxy color 33.0265, 0.2347, 0.3648 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 33.0265, 0.2347, 0.3648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

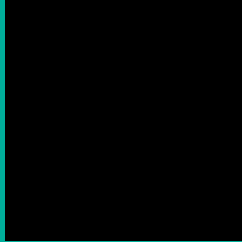
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0265, 0.2347, 0.3648

Background



This preview shows how black text looks on a background with the Yxy color 33.0265, 0.2347, 0.3648.

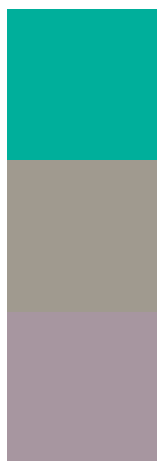


This preview shows how white text looks on a background with the Yxy color 33.0265, 0.2347, 0.3648.

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

33.0265, 0.2347, 0.3648

Protanopia

32.5680, 0.3291, 0.3457

Deuteranopia

32.5662, 0.3205, 0.3145



Tritanopia

33.2094, 0.2249, 0.3056

Trichromacy



Original Color

33.0265, 0.2347, 0.3648



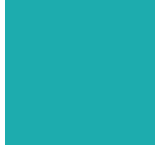
Protanomaly

30.7720, 0.2729, 0.3548



Deuteranomaly

30.3291, 0.2672, 0.3306



Tritanomaly

32.8223, 0.2270, 0.3253

Monochromacy



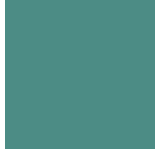
Original Color

33.0265, 0.2347, 0.3648



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.9861, 0.2587, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0265, 0.2347, 0.3648 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, 175, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 155)  
}
```

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, 175, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 155) }
```

Border

The CSS property to change the border of an element to Yxy 33.0265, 0.2347, 0.3648 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, 175, 155) }
```

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

```
.border{ border-color:rgb(0, 175, 155) }
```

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

Here you see how a box with a 4 pixel rgb(0, 175, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0265, 0.2347, 0.3648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 155) }
```

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

```
.background{ background-color: rgb(0, 175,  
155) }
```

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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