

Converting Colors

$Yxy(28.3907, 0.2329, 0.3585)$

Have a look what the booklet for
Yxy(28.3907, 0.2329, 0.3585)
contains.

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Color

Yxy(28.3325, 0.2326, 0.3573)

Conversions

Conversions Part 1

Format	Color
Hex	00A394
RGB	0, 163, 148
RGB Percent	0%, 64%, 58%
CMY	0.9995, 0.3608, 0.4195
CMYK	1.00, 0.00, 0.09, 0.36
HSL	174°, 100%, 32%
HSV	174°, 100%, 64%
XYZ	18.4443, 28.3325, 32.5193
YIQ	112.5530, -92.3330, -39.2210

Conversions

Conversions Part 2

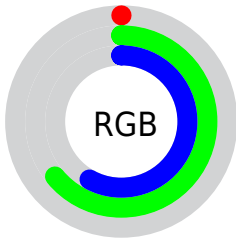
Format	Color
RYB	0, 85, 163
Decimal	41876
CIELab	60.19, -38.92, -2.33
CIELCh	60, 38.991, 183.424
Yxy	28.3325, 0.2326, 0.3573
Android (android.graphics.Color)	4278231956 (0xFF00A394)
YUV	112.5530, 17.4754, -98.7090
Hunter-Lab	53.2283, -31.2970, 1.0371

Details

The Yxy color **28.3325, 0.2326, 0.3573** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.8239, 0.6283, 0.3235**, and the grayscale version is **16.3538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2026, 0.2488, 0.3522**, and **12.0149, 0.2346, 0.3644** is the 20% darker color. If you saturate the color by 10%, you get **28.3324, 0.2326, 0.3573**, and if you desaturate by 10%, it is **28.4945, 0.2335, 0.3542**.

Distribution



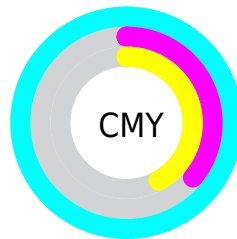
- Red (0%)
- Green (64%)
- Blue (58%)



- Red (0%)
- Yellow (33%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3325, 0.2326, 0.3573 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 28.3325, 0.2326, 0.3573 by changing the saturation by 10% instead.


 28.3325, 0.2326,
0.3573


 28.3325, 0.2326,
0.3573


294.0523, 0.2753,
0.3425


 18.5765, 0.2211,
0.3611


 57.0149, 0.2488,
0.3518


 11.3646, 0.2057,
0.3661


 76.7100, 0.2547,
0.3498

 6.3127, 0.1845,
0.3728


 100.4869, 0.2595,
0.3481

 3.0361, 0.1535,
0.3821

 128.7300, 0.2637,
0.3466

 1.1506, 0.0447,
0.4216

 161.8237, 0.2672,
0.3454

 0.0208, 0.0000,
0.1009

 200.1524, 0.2703,

 0.0000, 0.0000,

0.3443

0.0000

244.1005, 0.2730,
0.3434

■ 28.3325, 0.2326,
0.3573

■ 28.3325, 0.2326,
0.3573

■ 28.3324, 0.2326,
0.3573

■ 28.4945, 0.2335,
0.3542

■ 28.7478, 0.2358,
0.3512

■ 29.1315, 0.2398,
0.3481

■ 29.6625, 0.2458,
0.3450

■ 30.3549, 0.2535,
0.3420

■ 31.2212, 0.2629,
0.3390

■ 32.2727, 0.2738,
0.3363

■ 33.5197, 0.2860,
0.3336

■ 34.9719, 0.2990,
0.3312

Harmonies

Analogous

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



28.3325, 0.2841, 0.4186



28.3325, 0.2326, 0.3573



28.3325, 0.2038, 0.2933

Triad

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



28.3325, 0.2326, 0.3573



28.3325, 0.2695, 0.2345



28.3325, 0.4368, 0.3934

Complementary

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



28.3325, 0.2326, 0.3573



7.8239, 0.6283, 0.3235

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.



28.3325, 0.4353, 0.3449



28.3325, 0.2326, 0.3573



28.3325, 0.3325, 0.2584

Square

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



28.3325, 0.2326, 0.3573



28.3325, 0.2236, 0.2303



28.3325, 0.3956, 0.2974



28.3325, 0.4028, 0.4329

Rectangle

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



28.3325, 0.2326, 0.3573



28.3325, 0.1991, 0.2611



28.3325, 0.3956, 0.2974



28.3325, 0.4407, 0.3777

Sweetspot

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



28.3336, 0.2326, 0.3573



57.6695, 0.2731, 0.3364



26.3083, 0.3026, 0.5978



12.7753, 0.2686, 0.3375



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.3336, 0.2326, 0.3573



50.7259, 0.2327, 0.3579



11.3520, 0.1872, 0.1938



8.0000, 0.2999, 0.3311



22.0233, 0.2325, 0.3570



0.4658, 0.2294, 0.3459

Inverse Universe

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



7.8239, 0.6283, 0.3235



13.9937, 0.6309, 0.3249



11.5987, 0.5679, 0.3872



7.0961, 0.3271, 0.3270



6.0816, 0.6271, 0.3228



0.1308, 0.5741, 0.2936

Previews

White Background



This preview shows how the Yxy color 28.3325, 0.2326, 0.3573 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3325, 0.2326, 0.3573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

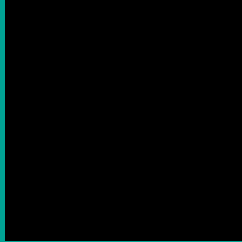
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3325, 0.2326, 0.3573

Background



This preview shows how black text looks on a background with the Yxy color 28.3325, 0.2326, 0.3573.

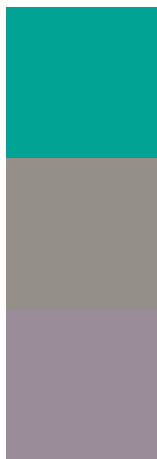


This preview shows how white text looks on a background with the Yxy color 28.3325, 0.2326, 0.3573.

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

28.3325, 0.2326, 0.3573

Protanopia

28.0486, 0.3240, 0.3403

Deuteranopia

27.9261, 0.3147, 0.3089



Tritanopia

28.2462, 0.2247, 0.3057

Trichromacy



Original Color

28.3325, 0.2326, 0.3573



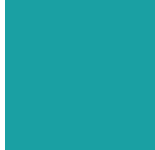
Protanomaly

26.4360, 0.2691, 0.3472



Deuteranomaly

26.0108, 0.2638, 0.3235



Tritanomaly

28.0056, 0.2263, 0.3233

Monochromacy



Original Color

28.3325, 0.2326, 0.3573



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

19.1167, 0.2584, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3325, 0.2326, 0.3573 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, 163, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 148)  
}
```

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, 163, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 148) }
```

Border

The CSS property to change the border of an element to Yxy 28.3325, 0.2326, 0.3573 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, 163, 148) }
```

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

```
.border{ border-color:rgb(0, 163, 148) }
```

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

Here you see how a box with a 4 pixel rgb(0, 163, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3325, 0.2326, 0.3573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 148) }
```

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

```
.background{ background-color: rgb(0, 163,  
148) }
```

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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