

Converting Colors

$Yxy(16.0492, 0.1649, 0.3416)$

Have a look what the booklet for
Yxy(16.0492, 0.1649, 0.3416)
contains.

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Color

Yxy(18.3336, 0.2278, 0.3399)

Conversions

Conversions Part 1

Format	Color
Hex	008580
RGB	0, 133, 128
RGB Percent	0%, 52%, 50%
CMY	0.9988, 0.4785, 0.4980
CMYK	1.00, 0.00, 0.04, 0.48
HSL	178°, 100%, 26%
HSV	178°, 100%, 52%
XYZ	12.2871, 18.3336, 23.3175
YIQ	92.6630, -77.6630, -29.7510

Conversions

Conversions Part 2

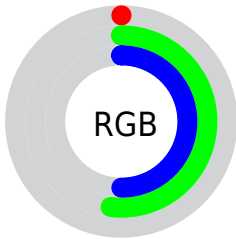
Format	Color
RYB	0, 68, 133
Decimal	34176
CIELab	49.90, -31.23, -6.04
CIELCh	50, 31.805, 190.946
Yxy	18.3336, 0.2278, 0.3399
Android (android.graphics.Color)	4278224256 (0xFF008580)
YUV	92.6630, 17.4211, -81.2655
Hunter-Lab	42.8178, -23.7081, -2.3154

Details

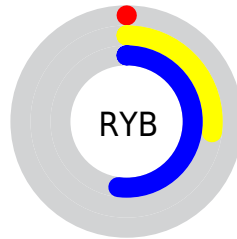
The Yxy color **18.3336, 0.2278, 0.3399** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.0042, 0.6337, 0.3268**, and the grayscale version is **10.8576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7158, 0.2465, 0.3382**, and **6.7510, 0.2284, 0.3424** is the 20% darker color. If you saturate the color by 10%, you get **18.3320, 0.2278, 0.3399**, and if you desaturate by 10%, it is **18.4357, 0.2295, 0.3387**.

Distribution



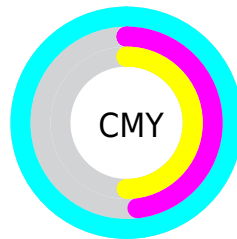
- Red (0%)
- Green (52%)
- Blue (50%)



- Red (0%)
- Yellow (27%)
- Blue (52%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (48%)





- Cyan (100%)
- Magenta (48%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3336, 0.2278, 0.3399 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 18.3336, 0.2278, 0.3399 by changing the saturation by 10% instead.


 18.3336, 0.2278,
0.3399


 18.3336, 0.2278,
0.3399


242.7447, 0.2758,
0.3347


 11.1898, 0.2137,
0.3409


 40.6050, 0.2468,
0.3382


 6.1946, 0.1941,
0.3418

 56.5013, 0.2534,
0.3374


 2.9638, 0.1654,
0.3421

 76.0838, 0.2588,
0.3368

 1.1129, 0.0882,
0.3516

 99.7371, 0.2634,
0.3363

 0.0000, 0.0000,
0.0000

 127.8454, 0.2672,
0.3358

 160.7932, 0.2705,

0.3354

198.9648, 0.2733,
0.3350

■ 18.3336, 0.2278,
0.3399

■ 18.3336, 0.2278,
0.3399

■ 18.3320, 0.2278,
0.3399

■ 18.4357, 0.2295,
0.3387

■ 18.5904, 0.2324,
0.3375

■ 18.8272, 0.2370,
0.3363

■ 19.1559, 0.2434,
0.3352

■ 19.5851, 0.2516,
0.3340

■ 20.1221, 0.2614,
0.3329

■ 20.7739, 0.2727,
0.3318

■ 21.5467, 0.2852,
0.3308

■ 22.4461, 0.2988,
0.3298

Harmonies

Analogous

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



18.3336, 0.2722, 0.4006



18.3336, 0.2278, 0.3399



18.3336, 0.2063, 0.2830

Triad

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



18.3336, 0.2278, 0.3399



18.3336, 0.2859, 0.2432



18.3336, 0.4248, 0.4013

Complementary

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



18.3336, 0.2278, 0.3399



5.0042, 0.6337, 0.3268

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.



18.3336, 0.4322, 0.3565



18.3336, 0.2278, 0.3399



18.3336, 0.3473, 0.2702

Square

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



18.3336, 0.2278, 0.3399



18.3336, 0.2372, 0.2343



18.3336, 0.4031, 0.3102



18.3336, 0.3864, 0.4336

Rectangle

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



18.3336, 0.2278, 0.3399



18.3336, 0.2059, 0.2562



18.3336, 0.4031, 0.3102



18.3336, 0.4313, 0.3871

Sweetspot

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



18.3343, 0.2278, 0.3399



37.0906, 0.2716, 0.3319



16.8189, 0.3016, 0.5985



8.2583, 0.2674, 0.3323



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.3343, 0.2278, 0.3399



32.8268, 0.2278, 0.3402



6.4975, 0.1832, 0.1794



5.2759, 0.2997, 0.3298



17.4635, 0.2278, 0.3399



0.0607, 0.2261, 0.3339

Inverse Universe

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



5.0042, 0.6337, 0.3268



8.9442, 0.6358, 0.3276



8.2198, 0.5505, 0.4008



4.6913, 0.3274, 0.3282



4.7605, 0.6341, 0.3267



0.0167, 0.6080, 0.3123

Previews

White Background



This preview shows how the Yxy color 18.3336, 0.2278, 0.3399 looks on a white 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

Black Background



This preview shows how the Yxy color 18.3336, 0.2278, 0.3399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

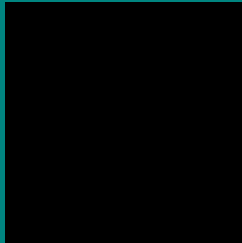
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3336, 0.2278, 0.3399

Background



This preview shows how black text looks on a background with the Yxy color 18.3336, 0.2278, 0.3399.



This preview shows how white text looks on a background with the Yxy color 18.3336, 0.2278, 0.3399.

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

18.3336, 0.2278, 0.3399

Protanopia

18.2818, 0.3141, 0.3271

Deuteranopia

18.1384, 0.3029, 0.2975



Tritanopia

18.4325, 0.2233, 0.3054

Trichromacy



Original Color

18.3336, 0.2278, 0.3399

Protanomaly

17.1076, 0.2627, 0.3310

Deuteranomaly

17.1775, 0.2562, 0.3100

Tritanomaly

18.4373, 0.2244, 0.3179

Monochromacy



Original Color

18.3336, 0.2278, 0.3399

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.6955, 0.2568, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3336, 0.2278, 0.3399 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, 133, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 128)  
}
```

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, 133, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 128) }
```

Border

The CSS property to change the border of an element to Yxy 18.3336, 0.2278, 0.3399 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, 133, 128) }
```

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

```
.border{ border-color:rgb(0, 133, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 133, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3336, 0.2278, 0.3399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 128) }
```

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

```
.background{ background-color: rgb(0, 133,  
128) }
```

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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