

Converting Colors

$Yxy(18.0318, 0.2278, 0.3401)$

Have a look what the booklet for
Yxy(18.0318, 0.2278, 0.3401)
contains.

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Color

Yxy(18.0348, 0.2278, 0.3400)

Conversions

Conversions Part 1

Format	Color
Hex	00847F
RGB	0, 132, 127
RGB Percent	0%, 52%, 50%
CMY	0.9995, 0.4824, 0.5019
CMYK	1.00, 0.00, 0.04, 0.48
HSL	178°, 100%, 26%
HSV	178°, 100%, 52%
XYZ	12.0833, 18.0348, 22.9254
YIQ	91.9620, -77.0670, -29.5390

Conversions

Conversions Part 2

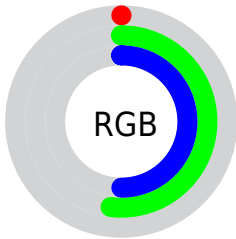
Format	Color
RYB	0, 67, 132
Decimal	33919
CIELab	49.54, -31.08, -5.99
CIELCh	50, 31.652, 190.900
Yxy	18.0348, 0.2278, 0.3400
Android (android.graphics.Color)	4278223999 (0xFF00847F)
YUV	91.9620, 17.2737, -80.6507
Hunter-Lab	42.4674, -23.5291, -2.2797

Details

The Yxy color **18.0348, 0.2278, 0.3400** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **4.9191, 0.6339, 0.3267**, and the grayscale version is **10.6744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2521, 0.2467, 0.3382**, and **6.5846, 0.2285, 0.3425** is the 20% darker color. If you saturate the color by 10%, you get **18.0346, 0.2278, 0.3400**, and if you desaturate by 10%, it is **18.1358, 0.2295, 0.3388**.

Distribution



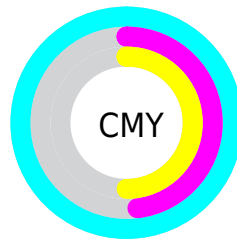
- Red (0%)
- Green (52%)
- Blue (50%)



- Red (0%)
- Yellow (26%)
- 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 18.0348, 0.2278, 0.3400 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 18.0348, 0.2278, 0.3400 by changing the saturation by 10% instead.


 18.0348, 0.2278,
0.3400


 18.0348, 0.2278,
0.3400


 241.0671, 0.2759,
0.3347


 10.9750, 0.2136,
0.3410


 40.0966, 0.2468,
0.3382


 6.0500, 0.1938,
0.3420

 55.8674, 0.2535,
0.3375


 2.8755, 0.1648,
0.3423


 75.3106, 0.2589,
0.3369

 1.0671, 0.0812,
0.3539

 98.8107, 0.2635,
0.3363

 0.0000, 0.0000,
0.0000

 126.7519, 0.2673,
0.3358

 159.5189, 0.2706,

0.3354

197.4958, 0.2734,
0.3350

■ 18.0348, 0.2278,
0.3400

■ 18.0348, 0.2278,
0.3400

■ 18.0346, 0.2278,
0.3400

■ 18.1358, 0.2295,
0.3388

■ 18.2874, 0.2324,
0.3376

■ 18.5195, 0.2370,
0.3364

■ 18.8419, 0.2433,
0.3352

■ 19.2629, 0.2515,
0.3341

■ 19.7898, 0.2613,
0.3329

■ 20.4294, 0.2725,
0.3318

■ 21.1877, 0.2851,
0.3308

■ 22.0704, 0.2986,
0.3299

Harmonies

Analogous

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



18.0348, 0.2723, 0.4007



18.0348, 0.2278, 0.3400



18.0348, 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.



18.0348, 0.2278, 0.3400



18.0348, 0.2858, 0.2432



18.0348, 0.4250, 0.4013

Complementary

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



18.0348, 0.2278, 0.3400



4.9191, 0.6339, 0.3267

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.



18.0348, 0.4323, 0.3564



18.0348, 0.2278, 0.3400



18.0348, 0.3472, 0.2701

Square

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



18.0348, 0.2278, 0.3400



18.0348, 0.2371, 0.2342



18.0348, 0.4031, 0.3101



18.0348, 0.3865, 0.4336

Rectangle

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



18.0348, 0.2278, 0.3400



18.0348, 0.2058, 0.2562



18.0348, 0.4031, 0.3101



18.0348, 0.4314, 0.3871

Sweetspot

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



18.0355, 0.2278, 0.3400



35.8946, 0.2716, 0.3319



16.5458, 0.3016, 0.5986



8.2581, 0.2675, 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.



18.0355, 0.2278, 0.3400



31.7635, 0.2279, 0.3403



6.3860, 0.1832, 0.1792



5.2759, 0.2997, 0.3298



17.4625, 0.2278, 0.3400



0.0607, 0.2261, 0.3339

Inverse Universe

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



4.9191, 0.6339, 0.3267



8.6553, 0.6357, 0.3276



8.0814, 0.5507, 0.4008



4.6914, 0.3274, 0.3282



4.7606, 0.6340, 0.3266



0.0167, 0.6077, 0.3122

Previews

White Background



This preview shows how the Yxy color 18.0348, 0.2278, 0.3400 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 18.0348, 0.2278, 0.3400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

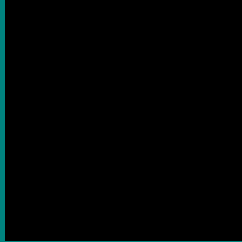
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0348, 0.2278, 0.3400

Background



This preview shows how black text looks on a background with the Yxy color 18.0348, 0.2278, 0.3400.



This preview shows how white text looks on a background with the Yxy color 18.0348, 0.2278, 0.3400.

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

18.0348, 0.2278, 0.3400

Protanopia

17.9525, 0.3141, 0.3271

Deuteranopia

17.8109, 0.3028, 0.2973



Tritanopia

18.1352, 0.2234, 0.3053

Trichromacy



Original Color

18.0348, 0.2278, 0.3400

Protanomaly

16.8360, 0.2633, 0.3310

Deuteranomaly

16.9062, 0.2568, 0.3099

Tritanomaly

18.1388, 0.2245, 0.3179

Monochromacy



Original Color

18.0348, 0.2278, 0.3400

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

12.4651, 0.2574, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0348, 0.2278, 0.3400 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, 132, 127)` looks like.

```
.text, #text, p{  
  color:rgb(0, 132, 127)  
}
```

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, 132, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 127) }
```

Border

The CSS property to change the border of an element to Yxy 18.0348, 0.2278, 0.3400 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, 132, 127) }
```

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

```
.border{ border-color:rgb(0, 132, 127) }
```

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

Here you see how a box with a 4 pixel rgb(0, 132, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 127);  
box-shadow:4px 4px 4px 4px rgb(0, 132,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0348, 0.2278, 0.3400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 132, 127) }
```

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

```
.background{ background-color: rgb(0, 132,  
127) }
```

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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