

Converting Colors

$Yxy(18.5601, 0.2315, 0.3744)$

Have a look what the booklet for
Yxy(18.5601, 0.2315, 0.3744)
contains.

Yxy(18.8693, 0.2374, 0.3747)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(18.8693, 0.2374, 0.3747)$

Conversions

Conversions Part 1

Format	Color
Hex	008874
RGB	0, 136, 116
RGB Percent	0%, 53%, 45%
CMY	1.0000, 0.4666, 0.5451
CMYK	1.00, 0.00, 0.15, 0.47
HSL	171°, 100%, 27%
HSV	171°, 100%, 53%
XYZ	11.9551, 18.8693, 19.5340
YIQ	93.0560, -74.6360, -35.0520

Conversions

Conversions Part 2

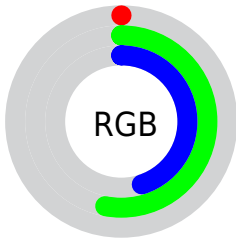
Format	Color
RYB	0, 73, 136
Decimal	34932
CIELab	50.53, -36.26, 1.91
CIELCh	51, 36.315, 176.979
Yxy	18.8693, 0.2374, 0.3747
Android (android.graphics.Color)	4278225012 (0xFF008874)
YUV	93.0560, 11.3114, -81.6101
Hunter-Lab	43.4388, -26.8917, 3.7450

Details

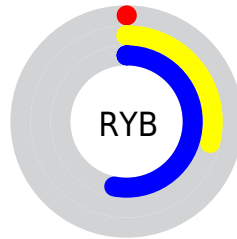
The Yxy color **18.8693, 0.2374, 0.3747** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.2853, 0.6154, 0.3164**, and the grayscale version is **10.9469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4931, 0.2547, 0.3638**, and **6.9144, 0.2413, 0.3888** is the 20% darker color. If you saturate the color by 10%, you get **18.8709, 0.2374, 0.3747**, and if you desaturate by 10%, it is **19.0081, 0.2382, 0.3697**.

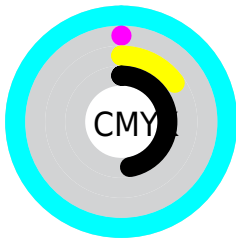
Distribution



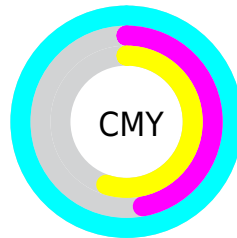
- Red (0%)
- Green (53%)
- Blue (45%)



- Red (0%)
- Yellow (29%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (47%)




- Cyan (100%)
- Magenta (47%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8693, 0.2374, 0.3747 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 18.8693, 0.2374, 0.3747 by changing the saturation by 10% instead.


 18.8693, 0.2374,
0.3747


 18.8693, 0.2374,
0.3747


 245.7263, 0.2805,
0.3483


 11.5759, 0.2244,
0.3828


 41.5131, 0.2546,
0.3641

 6.4556, 0.2061,
0.3944


 57.6323, 0.2606,
0.3604


 3.1240, 0.1787,
0.4122

 77.4622, 0.2654,
0.3574

 1.1968, 0.0869,
0.4664

 101.3872, 0.2695,
0.3550

 0.0591, 0.0000,
1.0000

 129.7918, 0.2729,
0.3529

 0.0000, 0.0000,
0.0000

 163.0602, 0.2758,

0.3511

201.5769, 0.2783,
0.3496

■ 18.8693, 0.2374,
0.3747

■ 18.8693, 0.2374,
0.3747

■ 18.8709, 0.2374,
0.3747

■ 19.0081, 0.2382,
0.3697

■ 19.2018, 0.2403,
0.3646

■ 19.4824, 0.2441,
0.3596

■ 19.8607, 0.2497,
0.3546

■ 20.3454, 0.2571,
0.3497

■ 20.9446, 0.2660,
0.3450

■ 21.6656, 0.2763,
0.3406

■ 22.5148, 0.2877,
0.3364

■ 23.4985, 0.2999,
0.3325

Harmonies

Analogous

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



18.8693, 0.2957, 0.4356



18.8693, 0.2374, 0.3747



18.8693, 0.2016, 0.3037

Triad

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



18.8693, 0.2374, 0.3747



18.8693, 0.2543, 0.2263



18.8693, 0.4478, 0.3857

Complementary

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



18.8693, 0.2374, 0.3747



5.2853, 0.6154, 0.3164

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.



18.8693, 0.4375, 0.3340



18.8693, 0.2374, 0.3747



18.8693, 0.3183, 0.2474

Square

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



18.8693, 0.2374, 0.3747



18.8693, 0.2111, 0.2266



18.8693, 0.3878, 0.2855



18.8693, 0.4183, 0.4314

Rectangle

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



18.8693, 0.2374, 0.3747



18.8693, 0.1929, 0.2661



18.8693, 0.3878, 0.2855



18.8693, 0.4492, 0.3686

Sweetspot

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



18.8709, 0.2374, 0.3747



38.0882, 0.2756, 0.3408



17.7629, 0.3053, 0.5958



8.7082, 0.2717, 0.3425



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.8709, 0.2374, 0.3747



33.2352, 0.2377, 0.3758



8.8237, 0.1926, 0.2133



5.6762, 0.3009, 0.3322



17.8601, 0.2374, 0.3746



0.1202, 0.2306, 0.3502

Inverse Universe

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



5.2853, 0.6154, 0.3164



9.2983, 0.6194, 0.3186



7.3162, 0.5791, 0.3784



5.0598, 0.3259, 0.3258



5.0028, 0.6149, 0.3161



0.0346, 0.5345, 0.2718

Previews

White Background



This preview shows how the Yxy color 18.8693, 0.2374, 0.3747 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 18.8693, 0.2374, 0.3747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

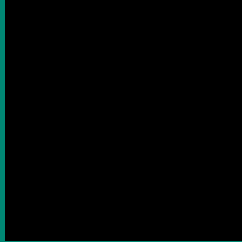
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8693, 0.2374, 0.3747

Background



This preview shows how black text looks on a background with the Yxy color 18.8693, 0.2374, 0.3747.

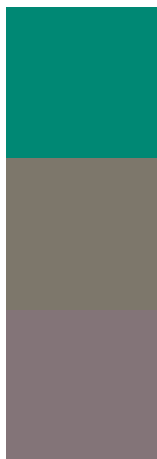


This preview shows how white text looks on a background with the Yxy color 18.8693, 0.2374, 0.3747.

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

18.8693, 0.2374, 0.3747

Protanopia

18.6152, 0.3348, 0.3519

Deuteranopia

18.6721, 0.3273, 0.3217



Tritanopia

18.8978, 0.2267, 0.3058

Trichromacy



Original Color

18.8693, 0.2374, 0.3747

Protanomaly

17.4985, 0.2782, 0.3617

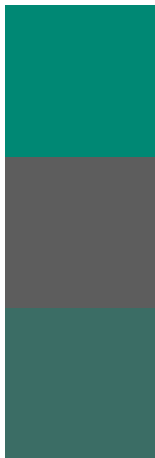
Deuteranomaly

17.3368, 0.2721, 0.3374

Tritanomaly

18.6627, 0.2290, 0.3288

Monochromacy



Original Color

18.8693, 0.2374, 0.3747

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.8067, 0.2621, 0.3489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8693, 0.2374, 0.3747 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, 136, 116)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 116)  
}
```

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, 136, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 116) }
```

Border

The CSS property to change the border of an element to Yxy 18.8693, 0.2374, 0.3747 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, 136, 116) }
```

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

```
.border{ border-color:rgb(0, 136, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 136, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8693, 0.2374, 0.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 116) }
```

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

```
.background{ background-color: rgb(0, 136,  
116) }
```

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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