

Converting Colors

$Yxy(17.7145, 0.2012, 0.3704)$

Have a look what the booklet for
Yxy(17.7145, 0.2012, 0.3704)
contains.

Yxy(18.9402, 0.2354, 0.3675)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(18.9402, 0.2354, 0.3675)$

Conversions

Conversions Part 1

Format	Color
Hex	008877
RGB	0, 136, 119
RGB Percent	0%, 53%, 47%
CMY	1.0000, 0.4666, 0.5334
CMYK	1.00, 0.00, 0.13, 0.47
HSL	172°, 100%, 27%
HSV	172°, 100%, 53%
XYZ	12.1320, 18.9402, 20.4657
YIQ	93.3980, -75.5990, -34.1190

Conversions

Conversions Part 2

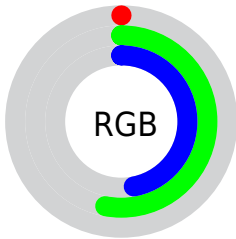
Format	Color
RYB	0, 73, 136
Decimal	34935
CIELab	50.62, -35.39, 0.29
CIELCh	51, 35.395, 179.527
Yxy	18.9402, 0.2354, 0.3675
Android (android.graphics.Color)	4278225015 (0xFF008877)
YUV	93.3980, 12.6218, -81.9100
Hunter-Lab	43.5203, -26.4007, 2.5827

Details

The Yxy color **18.9402, 0.2354, 0.3675** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.2753, 0.6201, 0.3189**, and the grayscale version is **11.0280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6062, 0.2530, 0.3588**, and **6.9519, 0.2382, 0.3776** is the 20% darker color. If you saturate the color by 10%, you get **18.9418, 0.2354, 0.3675**, and if you desaturate by 10%, it is **19.0732, 0.2364, 0.3633**.

Distribution



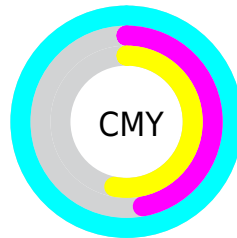
- Red (0%)
- Green (53%)
- Blue (47%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (47%)




- Cyan (100%)
- Magenta (47%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9402, 0.2354, 0.3675 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 18.9402, 0.2354, 0.3675 by changing the saturation by 10% instead.


 18.9402, 0.2354,
0.3675


 18.9402, 0.2354,
0.3675


 246.1184, 0.2794,
0.3455


 11.6271, 0.2222,
0.3741


 41.6330, 0.2529,
0.3588

 6.4903, 0.2038,
0.3834


 57.7815, 0.2590,
0.3557


 3.1454, 0.1763,
0.3972

 77.6439, 0.2640,
0.3532

 1.2081, 0.0920,
0.4390

 101.6046, 0.2681,
0.3512

 0.0683, 0.0000,
0.5587

 130.0480, 0.2716,
0.3494

 0.0000, 0.0000,
0.0000

 163.3586, 0.2746,

0.3480

201.9206, 0.2772,
0.3467

■ 18.9402, 0.2354,
0.3675

■ 18.9402, 0.2354,
0.3675

■ 18.9418, 0.2354,
0.3675

■ 19.0732, 0.2364,
0.3633

■ 19.2608, 0.2386,
0.3590

■ 19.5351, 0.2426,
0.3548

■ 19.9067, 0.2484,
0.3506

■ 20.3845, 0.2559,
0.3465

■ 20.9765, 0.2650,
0.3426

■ 21.6900, 0.2755,
0.3388

■ 22.5315, 0.2871,
0.3353

■ 23.5071, 0.2996,
0.3320

Harmonies

Analogous

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



18.9402, 0.2909, 0.4287



18.9402, 0.2354, 0.3675



18.9402, 0.2025, 0.2994

Triad

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



18.9402, 0.2354, 0.3675



18.9402, 0.2605, 0.2296



18.9402, 0.4434, 0.3889

Complementary

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



18.9402, 0.2354, 0.3675



5.2753, 0.6201, 0.3189

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.



18.9402, 0.4367, 0.3385



18.9402, 0.2354, 0.3675



18.9402, 0.3241, 0.2519

Square

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



18.9402, 0.2354, 0.3675



18.9402, 0.2161, 0.2280



18.9402, 0.3911, 0.2903



18.9402, 0.4120, 0.4322

Rectangle

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



18.9402, 0.2354, 0.3675



18.9402, 0.1954, 0.2640



18.9402, 0.3911, 0.2903



18.9402, 0.4458, 0.3723

Sweetspot

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



18.9418, 0.2354, 0.3675



38.1318, 0.2747, 0.3390



17.7400, 0.3045, 0.5964



8.7194, 0.2708, 0.3404



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.



18.9418, 0.2354, 0.3675



33.3620, 0.2357, 0.3684



8.4553, 0.1910, 0.2075



5.6780, 0.3007, 0.3317



17.9269, 0.2354, 0.3674



0.1205, 0.2297, 0.3468

Inverse Universe

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



5.2753, 0.6201, 0.3189



9.2823, 0.6237, 0.3210



7.5048, 0.5746, 0.3820



5.0581, 0.3262, 0.3263



4.9932, 0.6196, 0.3187



0.0343, 0.5473, 0.2788

Previews

White Background



This preview shows how the Yxy color 18.9402, 0.2354, 0.3675 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 18.9402, 0.2354, 0.3675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

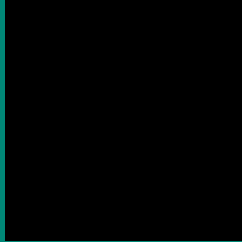
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9402, 0.2354, 0.3675

Background



This preview shows how black text looks on a background with the Yxy color 18.9402, 0.2354, 0.3675.

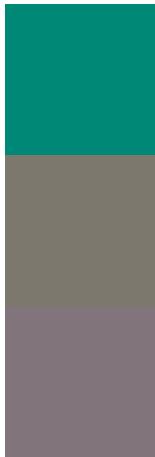


This preview shows how white text looks on a background with the Yxy color 18.9402, 0.2354, 0.3675.

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

18.9402, 0.2354, 0.3675

Protanopia

18.8438, 0.3296, 0.3481

Deuteranopia

18.6667, 0.3223, 0.3162



Tritanopia

19.1333, 0.2265, 0.3079

Trichromacy



Original Color

18.9402, 0.2354, 0.3675

Protanomaly

17.7762, 0.2745, 0.3571

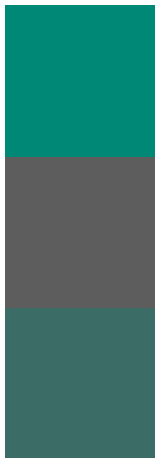
Deuteranomaly

17.4101, 0.2693, 0.3310

Tritanomaly

18.9536, 0.2286, 0.3288

Monochromacy



Original Color

18.9402, 0.2354, 0.3675

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.8264, 0.2611, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9402, 0.2354, 0.3675 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, 119)` looks like.

```
.text, #text, p{  
  color:rgb(0, 136, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 119) }
```

Border

The CSS property to change the border of an element to Yxy 18.9402, 0.2354, 0.3675 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, 119) }
```

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

```
.border{ border-color:rgb(0, 136, 119) }
```

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, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 119);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9402, 0.2354, 0.3675 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, 119) }
```

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

```
.background{ background-color: rgb(0, 136,  
119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor