

Converting Colors

$Yxy(19.5561, 0.2329, 0.3584)$

Have a look what the booklet for
Yxy(19.5561, 0.2329, 0.3584)
contains.

Yxy(19.6322, 0.2333, 0.3599)	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

Yxy(19.6322, 0.2333, 0.3599)

Conversions

Conversions Part 1

Format	Color
Hex	008A7C
RGB	0, 138, 124
RGB Percent	0%, 54%, 49%
CMY	1.0000, 0.4588, 0.5137
CMYK	1.00, 0.00, 0.10, 0.46
HSL	174°, 100%, 27%
HSV	174°, 100%, 54%
XYZ	12.7263, 19.6322, 22.1906
YIQ	95.1420, -77.7540, -33.6100

Conversions

Conversions Part 2

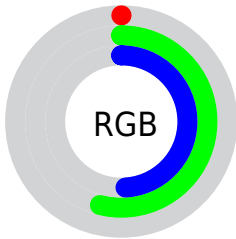
Format	Color
RYB	0, 73, 138
Decimal	35452
CIELab	51.42, -34.80, -1.46
CIELCh	51, 34.834, 182.399
Yxy	19.6322, 0.2333, 0.3599
Android (android.graphics.Color)	4278225532 (0xFF008A7C)
YUV	95.1420, 14.2270, -83.4395
Hunter-Lab	44.3082, -26.2703, 1.3220

Details

The Yxy color **19.6322, 0.2333, 0.3599** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.4352, 0.6248, 0.3215**, and the grayscale version is **11.4594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7187, 0.2512, 0.3537**, and **7.3244, 0.2360, 0.3694** is the 20% darker color. If you saturate the color by 10%, you get **19.6334, 0.2333, 0.3599**, and if you desaturate by 10%, it is **19.7608, 0.2345, 0.3565**.

Distribution



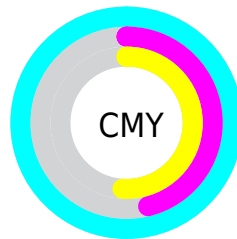
- Red (0%)
- Green (54%)
- Blue (49%)



- Red (0%)
- Yellow (29%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (46%)





- Cyan (100%)
- Magenta (46%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6322, 0.2333, 0.3599 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 19.6322, 0.2333, 0.3599 by changing the saturation by 10% instead.


 19.6322, 0.2333,
0.3599


 19.6322, 0.2333,
0.3599


249.9170, 0.2781,
0.3427


 12.1280, 0.2201,
0.3648


 42.7997, 0.2510,
0.3532

 6.8309, 0.2017,
0.3716


 59.2317, 0.2572,
0.3508


 3.3566, 0.1748,
0.3813

 79.4085, 0.2623,
0.3488

 1.3206, 0.1084,
0.4066

 103.7144, 0.2665,
0.3472

 0.1571, 0.0000,
0.3653

 132.5338, 0.2701,
0.3458

 0.0000, 0.0000,
0.0000

 166.2511, 0.2731,

0.3446

205.2507, 0.2758,
0.3436

■ 19.6322, 0.2333,
0.3599

■ 19.6322, 0.2333,
0.3599

■ 19.6334, 0.2333,
0.3599

■ 19.7608, 0.2345,
0.3565

■ 19.9465, 0.2368,
0.3532

■ 20.2216, 0.2409,
0.3498

■ 20.5970, 0.2469,
0.3464

■ 21.0820, 0.2546,
0.3431

■ 21.6850, 0.2639,
0.3399

■ 22.4133, 0.2746,
0.3369

■ 23.2738, 0.2865,
0.3341

■ 24.2729, 0.2993,
0.3314

Harmonies

Analogous

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



19.6322, 0.2859, 0.4212



19.6322, 0.2333, 0.3599



19.6322, 0.2034, 0.2948

Triad

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



19.6322, 0.2333, 0.3599



19.6322, 0.2672, 0.2332



19.6322, 0.4385, 0.3923

Complementary

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



19.6322, 0.2333, 0.3599



5.4352, 0.6248, 0.3215

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.



19.6322, 0.4357, 0.3433



19.6322, 0.2333, 0.3599



19.6322, 0.3303, 0.2567

Square

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



19.6322, 0.2333, 0.3599



19.6322, 0.2216, 0.2297



19.6322, 0.3945, 0.2956



19.6322, 0.4052, 0.4328

Rectangle

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



19.6322, 0.2333, 0.3599



19.6322, 0.1981, 0.2618



19.6322, 0.3945, 0.2956



19.6322, 0.4420, 0.3763

Sweetspot

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



19.6334, 0.2333, 0.3599



39.4162, 0.2738, 0.3371



18.2889, 0.3037, 0.5970



8.7316, 0.2698, 0.3382



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.



19.6334, 0.2333, 0.3599



34.5923, 0.2335, 0.3606



8.3481, 0.1893, 0.2015



5.6800, 0.3004, 0.3312



18.0014, 0.2333, 0.3598



0.1208, 0.2287, 0.3432

Inverse Universe

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



5.4352, 0.6248, 0.3215



9.5682, 0.6279, 0.3233



7.9408, 0.5703, 0.3854



5.0563, 0.3265, 0.3268



4.9843, 0.6242, 0.3212



0.0340, 0.5621, 0.2870

Previews

White Background



This preview shows how the Yxy color 19.6322, 0.2333, 0.3599 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 19.6322, 0.2333, 0.3599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

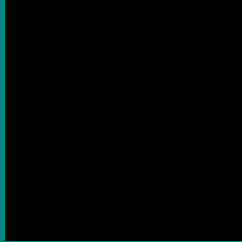
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6322, 0.2333, 0.3599

Background



This preview shows how black text looks on a background with the Yxy color 19.6322, 0.2333, 0.3599.

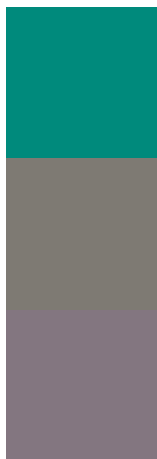


This preview shows how white text looks on a background with the Yxy color 19.6322, 0.2333, 0.3599.

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

19.6322, 0.2333, 0.3599

Protanopia

19.5925, 0.3258, 0.3421

Deuteranopia

19.3407, 0.3173, 0.3110



Tritanopia

19.7606, 0.2253, 0.3061

Trichromacy



Original Color

19.6322, 0.2333, 0.3599

Protanomaly

18.4518, 0.2713, 0.3502

Deuteranomaly

18.0385, 0.2652, 0.3247

Tritanomaly

19.6139, 0.2270, 0.3245

Monochromacy



Original Color

19.6322, 0.2333, 0.3599

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

13.3701, 0.2589, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6322, 0.2333, 0.3599 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, 138, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 124)  
}
```

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, 138, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 124) }
```

Border

The CSS property to change the border of an element to Yxy 19.6322, 0.2333, 0.3599 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, 138, 124) }
```

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

```
.border{ border-color:rgb(0, 138, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 138, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6322, 0.2333, 0.3599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 124) }
```

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

```
.background{ background-color: rgb(0, 138,  
124) }
```

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