

Converting Colors

$Yxy(18.4553, 0.2322, 0.3561)$

Have a look what the booklet for
Yxy(18.4553, 0.2322, 0.3561)
contains.

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Color

Yxy(18.4553, 0.2322, 0.3561)

Conversions

Conversions Part 1

Format	Color
Hex	00867A
RGB	0, 134, 122
RGB Percent	0%, 53%, 48%
CMY	1.0000, 0.4745, 0.5216
CMYK	1.00, 0.00, 0.09, 0.47
HSL	175°, 100%, 26%
HSV	175°, 100%, 53%
XYZ	12.0340, 18.4553, 21.3368
YIQ	92.5660, -76.0120, -32.1400

Conversions

Conversions Part 2

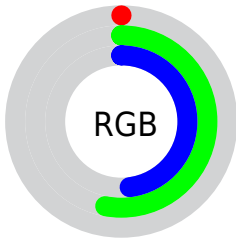
Format	Color
RYB	0, 70, 134
Decimal	34426
CIELab	50.04, -33.60, -2.30
CIELCh	50, 33.680, 183.915
Yxy	18.4553, 0.2322, 0.3561
Android (android.graphics.Color)	4278224506 (0xFF00867A)
YUV	92.5660, 14.5110, -81.1804
Hunter-Lab	42.9596, -25.1772, 0.6241

Details

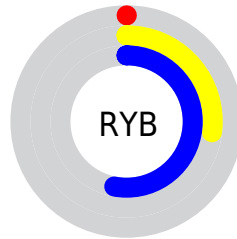
The Yxy color **18.4553, 0.2322, 0.3561** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.0959, 0.6263, 0.3224**, and the grayscale version is **10.8203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8614, 0.2507, 0.3509**, and **6.6809, 0.2334, 0.3602** is the 20% darker color. If you saturate the color by 10%, you get **18.4582, 0.2323, 0.3561**, and if you desaturate by 10%, it is **18.5769, 0.2336, 0.3532**.

Distribution



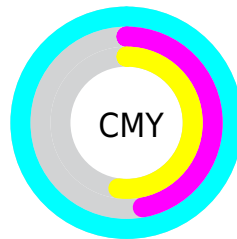
- Red (0%)
- Green (53%)
- Blue (48%)



- Red (0%)
- Yellow (27%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (47%)





- Cyan (100%)
- Magenta (47%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4553, 0.2322, 0.3561 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 18.4553, 0.2322, 0.3561 by changing the saturation by 10% instead.


 18.4553, 0.2322,
0.3561


 18.4553, 0.2322,
0.3561


 243.4250, 0.2780,
0.3411


 11.2774, 0.2186,
0.3604


 40.8116, 0.2504,
0.3503


 6.2537, 0.1995,
0.3662


 56.7588, 0.2567,
0.3482


 3.0000, 0.1712,
0.3743

 76.3979, 0.2619,
0.3465

 1.1317, 0.0845,
0.4042

 100.1132, 0.2662,
0.3450

 0.0048, 0.0000,
0.0283

 128.2892, 0.2698,
0.3438

 0.0000, 0.0000,
0.0000

 161.3102, 0.2729,

0.3428

199.5607, 0.2756,
0.3419

■ 18.4553, 0.2322,
0.3561

■ 18.4553, 0.2322,
0.3561

■ 18.4582, 0.2323,
0.3561

■ 18.5769, 0.2336,
0.3532

■ 18.7489, 0.2360,
0.3502

■ 19.0045, 0.2403,
0.3472

■ 19.3538, 0.2463,
0.3443

■ 19.8054, 0.2541,
0.3414

■ 20.3670, 0.2634,
0.3386

■ 21.0455, 0.2742,
0.3360

■ 21.8473, 0.2862,
0.3335

■ 22.7784, 0.2991,
0.3311

Harmonies

Analogous

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



18.4553, 0.2833, 0.4175



18.4553, 0.2322, 0.3561



18.4553, 0.2039, 0.2925

Triad

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



18.4553, 0.2322, 0.3561



18.4553, 0.2706, 0.2350



18.4553, 0.4361, 0.3940

Complementary

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



18.4553, 0.2322, 0.3561



5.0959, 0.6263, 0.3224

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.



18.4553, 0.4352, 0.3457



18.4553, 0.2322, 0.3561



18.4553, 0.3335, 0.2592

Square

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



18.4553, 0.2322, 0.3561



18.4553, 0.2244, 0.2305



18.4553, 0.3962, 0.2983



18.4553, 0.4017, 0.4331

Rectangle

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



18.4553, 0.2322, 0.3561



18.4553, 0.1995, 0.2607



18.4553, 0.3962, 0.2983



18.4553, 0.4401, 0.3783

Sweetspot

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



18.4582, 0.2323, 0.3561



36.9878, 0.2735, 0.3361



17.1420, 0.3032, 0.5975



8.2325, 0.2695, 0.3371



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.



18.4582, 0.2323, 0.3561



32.5041, 0.2324, 0.3567



7.5186, 0.1878, 0.1960



5.2719, 0.3003, 0.3309



17.2957, 0.2322, 0.3560



0.0604, 0.2282, 0.3414

Inverse Universe

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



5.0959, 0.6263, 0.3224



8.9660, 0.6294, 0.3241



7.6709, 0.5652, 0.3894



4.6950, 0.3266, 0.3271



4.7755, 0.6259, 0.3222



0.0170, 0.5698, 0.2912

Previews

White Background



This preview shows how the Yxy color 18.4553, 0.2322, 0.3561 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 18.4553, 0.2322, 0.3561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

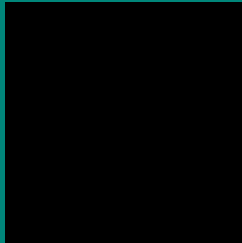
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4553, 0.2322, 0.3561

Background



This preview shows how black text looks on a background with the Yxy color 18.4553, 0.2322, 0.3561.

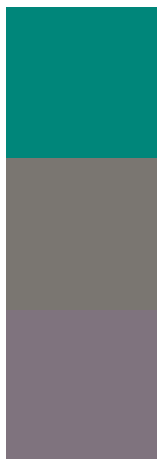


This preview shows how white text looks on a background with the Yxy color 18.4553, 0.2322, 0.3561.

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

18.4553, 0.2322, 0.3561

Protanopia

18.2867, 0.3238, 0.3386

Deuteranopia

18.2799, 0.3149, 0.3087



Tritanopia

18.5089, 0.2249, 0.3055

Trichromacy



Original Color

18.4553, 0.2322, 0.3561

Protanomaly

17.2960, 0.2703, 0.3463

Deuteranomaly

17.1491, 0.2643, 0.3225

Tritanomaly

18.4112, 0.2264, 0.3222

Monochromacy



Original Color

18.4553, 0.2322, 0.3561

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.6544, 0.2588, 0.3388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4553, 0.2322, 0.3561 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, 134, 122)` looks like.

```
.text, #text, p{  
  color:rgb(0, 134, 122)  
}
```

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, 134, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 122) }
```

Border

The CSS property to change the border of an element to Yxy 18.4553, 0.2322, 0.3561 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, 134, 122) }
```

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

```
.border{ border-color:rgb(0, 134, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 134, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 122);  
box-shadow:4px 4px 4px 4px rgb(0, 134,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4553, 0.2322, 0.3561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 122) }
```

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

```
.background{ background-color: rgb(0, 134,  
122) }
```

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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