

Converting Colors

$Y_{xy}(17.4991, 0.2403, 0.3695)$

Have a look what the booklet for
Yxy(17.4991, 0.2403, 0.3695)
contains.

Yxy(17.5843, 0.2406, 0.3709)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.5843, 0.2406, 0.3709)

Conversions

Conversions Part 1

Format	Color
Hex	158371
RGB	21, 131, 113
RGB Percent	8%, 51%, 44%
CMY	0.9176, 0.4863, 0.5568
CMYK	0.84, 0.00, 0.14, 0.49
HSL	170°, 72%, 30%
HSV	170°, 84%, 51%
XYZ	11.4068, 17.5843, 18.4187
YIQ	96.0580, -59.7820, -28.9180

Conversions

Conversions Part 2

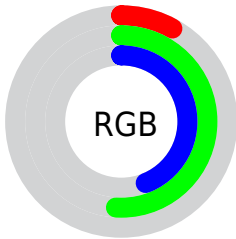
Format	Color
RYB	21, 81, 131
Decimal	1409905
CIELab	48.99, -33.49, 1.44
CIElCh	49, 33.522, 177.542
Yxy	17.5843, 0.2406, 0.3709
Android (android.graphics.Color)	4279599985 (0xFF158371)
YUV	96.0580, 8.3524, -65.8259
Hunter-Lab	41.9336, -24.8282, 3.3113

Details

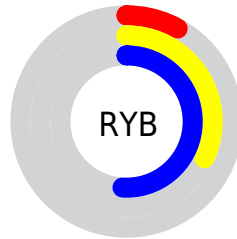
The Yxy color **17.5843, 0.2406, 0.3709** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.5088, 0.5565, 0.3067**, and the grayscale version is **11.7039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4892, 0.2575, 0.3610**, and **6.2665, 0.2410, 0.3876** is the 20% darker color. If you saturate the color by 10%, you get **17.4287, 0.2393, 0.3765**, and if you desaturate by 10%, it is **17.8163, 0.2436, 0.3652**.

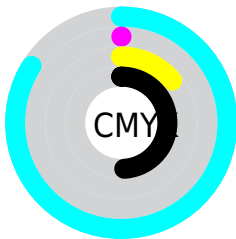
Distribution



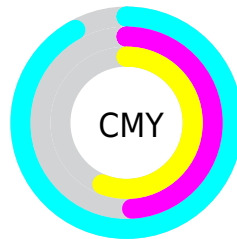
- Red (8%)
- Green (51%)
- Blue (44%)



- Red (8%)
- Yellow (32%)
- Blue (51%)



- Cyan (84%)
- Magenta (0%)
- Yellow (14%)
- Black (49%)




- Cyan (92%)
- Magenta (49%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5843, 0.2406, 0.3709 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 17.5843, 0.2406, 0.3709 by changing the saturation by 10% instead.


 17.5843, 0.2406,
0.3709


 17.5843, 0.2406,
0.3709


238.5174, 0.2823,
0.3465


 10.6520, 0.2278,
0.3785


 39.3277, 0.2574,
0.3610


 5.8333, 0.2096,
0.3895

 54.9075, 0.2631,
0.3576


 2.7440, 0.1819,
0.4065

 74.1387, 0.2678,
0.3549

 0.9996, 0.0607,
0.4736

 97.4055, 0.2717,
0.3526

 0.0000, 0.0000,
0.0000

 125.0923, 0.2750,
0.3507

 157.5837, 0.2778,

0.3491

195.2639, 0.2802,
0.3477

■ 17.5843, 0.2406,
0.3709

■ 17.5843, 0.2406,
0.3709

■ 17.4287, 0.2393,
0.3765

■ 17.8163, 0.2436,
0.3652

■ 17.3494, 0.2389,
0.3800

■ 18.1337, 0.2484,
0.3596

■ 18.5459, 0.2550,
0.3541

■ 19.0605, 0.2632,
0.3488

■ 19.6842, 0.2728,
0.3438

■ 20.4233, 0.2836,
0.3390

■ 21.2836, 0.2953,
0.3346

■ 22.2704, 0.3077,
0.3305

■ 23.3887, 0.3205,
0.3268

Harmonies

Analogous

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



17.5843, 0.2958, 0.4283



17.5843, 0.2406, 0.3709



17.5843, 0.2067, 0.3044

Triad

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



17.5843, 0.2406, 0.3709



17.5843, 0.2584, 0.2313



17.5843, 0.4405, 0.3845

Complementary

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



17.5843, 0.2406, 0.3709



5.5088, 0.5565, 0.3067

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.



17.5843, 0.4312, 0.3353



17.5843, 0.2406, 0.3709



17.5843, 0.3195, 0.2519

Square

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



17.5843, 0.2406, 0.3709



17.5843, 0.2165, 0.2314



17.5843, 0.3849, 0.2886



17.5843, 0.4124, 0.4273

Rectangle

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



17.5843, 0.2406, 0.3709



17.5843, 0.1985, 0.2689



17.5843, 0.3849, 0.2886



17.5843, 0.4419, 0.3683

Sweetspot

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



17.5850, 0.2406, 0.3709



36.3445, 0.2818, 0.3397



16.7252, 0.3108, 0.5711



8.3662, 0.2785, 0.3412



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.



17.5850, 0.2406, 0.3709



31.0495, 0.2392, 0.3812



9.8642, 0.2047, 0.2392



5.2661, 0.3012, 0.3326



17.0779, 0.2389, 0.3799



0.0600, 0.2313, 0.3528

Inverse Universe

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



5.5088, 0.5565, 0.3067



8.7247, 0.6153, 0.3163



7.8733, 0.5358, 0.3838



4.7002, 0.3255, 0.3255



4.8049, 0.6107, 0.3138



0.0174, 0.5254, 0.2668

Previews

White Background



This preview shows how the Yxy color 17.5843, 0.2406, 0.3709 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 17.5843, 0.2406, 0.3709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

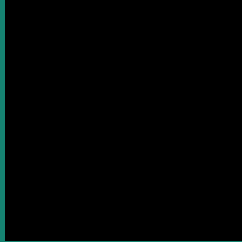
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5843, 0.2406, 0.3709

Background



This preview shows how black text looks on a background with the Yxy color 17.5843, 0.2406, 0.3709.

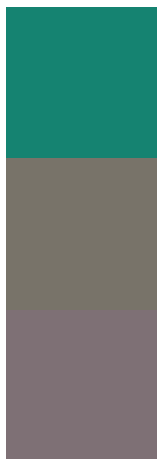


This preview shows how white text looks on a background with the Yxy color 17.5843, 0.2406, 0.3709.

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

17.5843, 0.2406, 0.3709

Protanopia

17.2745, 0.3316, 0.3487

Deuteranopia

17.3083, 0.3251, 0.3196



Tritanopia

17.4851, 0.2284, 0.3051

Trichromacy



Original Color

17.5843, 0.2406, 0.3709

Protanomaly

16.6423, 0.2836, 0.3575

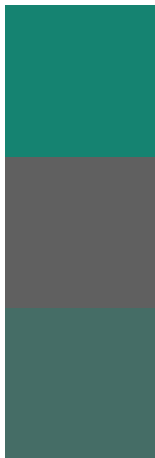
Deuteranomaly

16.5293, 0.2794, 0.3353

Tritanomaly

17.3634, 0.2321, 0.3265

Monochromacy



Original Color

17.5843, 0.2406, 0.3709

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

13.1618, 0.2713, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5843, 0.2406, 0.3709 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(21, 131, 113)` looks like.

```
.text, #text, p{  
    color:rgb(21, 131, 113)  
}
```

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(21, 131, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 131, 113) }
```

Border

The CSS property to change the border of an element to Yxy 17.5843, 0.2406, 0.3709 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(21, 131, 113) }
```

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

```
.border{ border-color:rgb(21, 131, 113) }
```

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

Here you see how a box with a 4 pixel rgb(21, 131, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 131, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 131, 113);  
box-shadow:4px 4px 4px 4px rgb(21, 131,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5843, 0.2406, 0.3709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 131, 113) }
```

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

```
.background{ background-color: rgb(21, 131,  
113) }
```

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