

Converting Colors

$Yxy(17.9177, 0.2387, 0.3645)$

Have a look what the booklet for
Yxy(17.9177, 0.2387, 0.3645)
contains.

Yxy(17.9229, 0.2390, 0.3658)	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(17.9229, 0.2390, 0.3658)

Conversions

Conversions Part 1

Format	Color
Hex	158474
RGB	21, 132, 116
RGB Percent	8%, 52%, 45%
CMY	0.9182, 0.4823, 0.5451
CMYK	0.84, 0.00, 0.12, 0.48
HSL	171°, 73%, 30%
HSV	171°, 84%, 52%
XYZ	11.7102, 17.9229, 19.3634
YIQ	96.9870, -61.0200, -28.5080

Conversions

Conversions Part 2

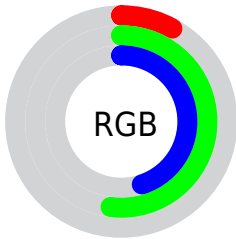
Format	Color
RYB	21, 81, 132
Decimal	1410164
CIELab	49.40, -33.11, 0.29
CIELCh	49, 33.112, 179.493
Yxy	17.9229, 0.2390, 0.3658
Android (android.graphics.Color)	4279600244 (0xFF158474)
YUV	96.9870, 9.3734, -66.6406
Hunter-Lab	42.3354, -24.7132, 2.5167

Details

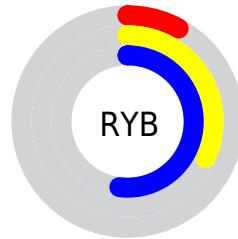
The Yxy color **17.9229, 0.2390, 0.3658** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.5698, 0.5630, 0.3100**, and the grayscale version is **11.9280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0197, 0.2560, 0.3575**, and **6.4519, 0.2387, 0.3792** is the 20% darker color. If you saturate the color by 10%, you get **17.7713, 0.2376, 0.3707**, and if you desaturate by 10%, it is **18.1515, 0.2421, 0.3609**.

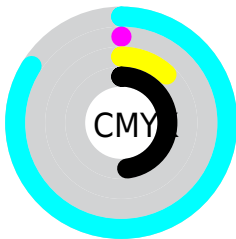
Distribution



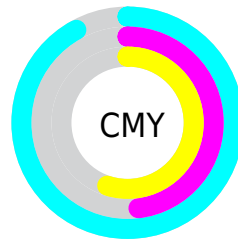
- Red (8%)
- Green (52%)
- Blue (45%)



- Red (8%)
- Yellow (32%)
- Blue (52%)



- Cyan (84%)
- Magenta (0%)
- Yellow (12%)
- Black (48%)





- Cyan (92%)
- Magenta (48%)
- Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 17.9229, 0.2390, 0.3658 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 17.9229, 0.2390, 0.3658 by changing the saturation by 10% instead.


 17.9229, 0.2390,
0.3658


 17.9229, 0.2390,
0.3658


 240.4361, 0.2813,
0.3446


 10.8946, 0.2261,
0.3723


 39.9059, 0.2560,
0.3573


 5.9960, 0.2079,
0.3814

 55.6294, 0.2618,
0.3544


 2.8427, 0.1804,
0.3953

 75.0202, 0.2666,
0.3520

 1.0502, 0.0770,
0.4465

 98.4626, 0.2706,
0.3500

 0.0000, 0.0000,
0.0000

 126.3410, 0.2739,
0.3483

 159.0398, 0.2767,

0.3469

196.9433, 0.2792,
0.3457

■ 17.9229, 0.2390,
0.3658

■ 17.9229, 0.2390,
0.3658

■ 17.7713, 0.2376,
0.3707

■ 18.1515, 0.2421,
0.3609

■ 17.6970, 0.2371,
0.3736

■ 18.4665, 0.2470,
0.3560

■ 18.8775, 0.2537,
0.3512

■ 19.3923, 0.2620,
0.3465

■ 20.0178, 0.2718,
0.3421

■ 20.7604, 0.2827,
0.3379

■ 21.6259, 0.2947,
0.3340

■ 22.6198, 0.3073,
0.3304

■ 23.7473, 0.3203,
0.3272

Harmonies

Analogous

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



17.9229, 0.2923, 0.4235



17.9229, 0.2390, 0.3658



17.9229, 0.2071, 0.3012

Triad

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



17.9229, 0.2390, 0.3658



17.9229, 0.2628, 0.2336



17.9229, 0.4375, 0.3869

Complementary

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



17.9229, 0.2390, 0.3658



5.5698, 0.5630, 0.3100

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.



17.9229, 0.4308, 0.3385



17.9229, 0.2390, 0.3658



17.9229, 0.3237, 0.2550

Square

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



17.9229, 0.2390, 0.3658



17.9229, 0.2201, 0.2323



17.9229, 0.3874, 0.2921



17.9229, 0.4079, 0.4279

Rectangle

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



17.9229, 0.2390, 0.3658



17.9229, 0.2002, 0.2672



17.9229, 0.3874, 0.2921



17.9229, 0.4397, 0.3710

Sweetspot

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



17.9236, 0.2390, 0.3658



36.3746, 0.2812, 0.3384



16.9616, 0.3095, 0.5726



8.3740, 0.2778, 0.3397



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.



17.9236, 0.2390, 0.3658



31.1519, 0.2374, 0.3746



9.6709, 0.2032, 0.2340



5.2677, 0.3010, 0.3321



17.1332, 0.2371, 0.3735



0.0601, 0.2305, 0.3497

Inverse Universe

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



5.5698, 0.5630, 0.3100



8.7096, 0.6196, 0.3187



8.1660, 0.5332, 0.3869



4.6988, 0.3258, 0.3259



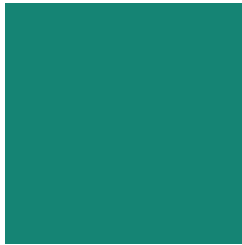
4.7959, 0.6152, 0.3163



0.0173, 0.5362, 0.2727

Previews

White Background



This preview shows how the Yxy color 17.9229, 0.2390, 0.3658 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 17.9229, 0.2390, 0.3658 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 17.9229, 0.2390, 0.3658

Background



This preview shows how black text looks on a background with the Yxy color 17.9229, 0.2390, 0.3658.

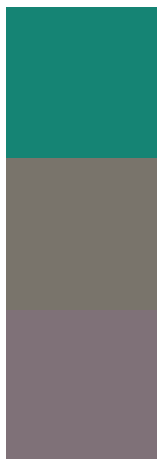


This preview shows how white text looks on a background with the Yxy color 17.9229, 0.2390, 0.3658.

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

17.9229, 0.2390, 0.3658

Protanopia

17.6173, 0.3302, 0.3466

Deuteranopia

17.6783, 0.3225, 0.3159



Tritanopia

18.0157, 0.2284, 0.3074

Trichromacy



Original Color

17.9229, 0.2390, 0.3658

Protanomaly

16.9762, 0.2828, 0.3551

Deuteranomaly

16.8396, 0.2766, 0.3310

Tritanomaly

17.9273, 0.2315, 0.3266

Monochromacy



Original Color

17.9229, 0.2390, 0.3658

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

13.4165, 0.2694, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9229, 0.2390, 0.3658 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, 132, 116)` looks like.

```
.text, #text, p{  
  color:rgb(21, 132, 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(21, 132, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 132, 116) }
```

Border

The CSS property to change the border of an element to Yxy 17.9229, 0.2390, 0.3658 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, 132, 116) }
```

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

```
.border{ border-color:rgb(21, 132, 116) }
```

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

Here you see how a box with a 4 pixel rgb(21, 132, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 132, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 132, 116);  
box-shadow:4px 4px 4px 4px rgb(21, 132,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9229, 0.2390, 0.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 132, 116) }
```

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

```
.background{ background-color: rgb(21, 132,  
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](#).

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