

Converting Colors

$Y_{xy}(15.8071, 0.2471, 0.3453)$

Have a look what the booklet for
Yxy(15.8071, 0.2471, 0.3453)
contains.

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Color

$Y_{xy}(15.8098, 0.2471, 0.3452)$

Conversions

Conversions Part 1

Format	Color
Hex	317A73
RGB	49, 122, 115
RGB Percent	19%, 48%, 45%
CMY	0.8082, 0.5215, 0.5490
CMYK	0.60, 0.00, 0.06, 0.52
HSL	174°, 43%, 34%
HSV	174°, 60%, 48%
XYZ	11.3169, 15.8098, 18.6722
YIQ	99.3750, -41.2610, -17.6530

Conversions

Conversions Part 2

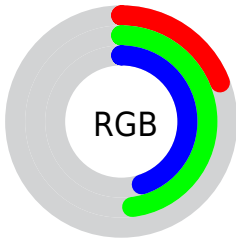
Format	Color
RYB	49, 87, 122
Decimal	3242611
CIELab	46.72, -24.38, -2.97
CIELCh	47, 24.562, 186.947
Yxy	15.8098, 0.2471, 0.3452
Android (android.graphics.Color)	4281432691 (0xFF317A73)
YUV	99.3750, 7.7031, -44.1789
Hunter-Lab	39.7615, -18.7781, -0.0098

Details

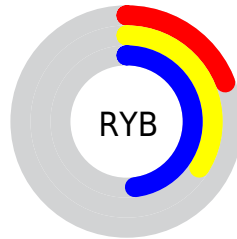
The Yxy color **15.8098, 0.2471, 0.3452** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.6124, 0.4697, 0.3158**, and the grayscale version is **12.5593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3335, 0.2624, 0.3417**, and **5.1703, 0.2311, 0.3518** is the 20% darker color. If you saturate the color by 10%, you get **15.5208, 0.2411, 0.3483**, and if you desaturate by 10%, it is **16.1825, 0.2549, 0.3421**.

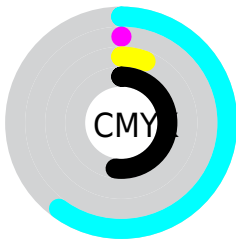
Distribution



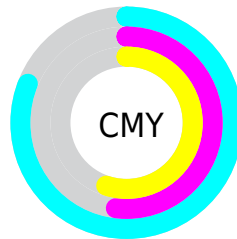
- Red (19%)
- Green (48%)
- Blue (45%)



- Red (19%)
- Yellow (34%)
- Blue (48%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (52%)





- Cyan (81%)
- Magenta (52%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8098, 0.2471, 0.3452 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 15.8098, 0.2471, 0.3452 by changing the saturation by 10% instead.


 15.8098, 0.2471,
0.3452


 15.8098, 0.2471,
0.3452


 228.2168, 0.2853,
0.3362

 9.3897, 0.2352,
0.3478


 36.2677, 0.2626,
0.3417


 4.9962, 0.2181,
0.3513

 51.0742, 0.2679,
0.3404


 2.2450, 0.1916,
0.3561

 69.4450, 0.2722,
0.3394

 0.7444, 0.0599,
0.3968

 91.7645, 0.2757,
0.3385

 0.0000, 0.0000,
0.0000

 118.4170, 0.2787,
0.3378

 149.7870, 0.2812,

0.3372

186.2587, 0.2834,
0.3366

■ 15.8098, 0.2471,
0.3452

■ 15.8098, 0.2471,
0.3452

■ 15.5208, 0.2411,
0.3483

■ 16.1825, 0.2549,
0.3421

■ 15.3069, 0.2368,
0.3515

■ 16.6430, 0.2642,
0.3392

■ 15.1607, 0.2342,
0.3546

■ 17.1976, 0.2749,
0.3364

■ 15.0552, 0.2327,
0.3578

■ 17.8512, 0.2867,
0.3337

■ 15.0543, 0.2327,
0.3578

■ 18.6085, 0.2995,
0.3312

■ 19.4739, 0.3128,
0.3290

■ 20.4515, 0.3266,
0.3269

■ 21.5453, 0.3405,
0.3251

■ 22.7589, 0.3545,
0.3235

Harmonies

Analogous

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



15.8098, 0.2863, 0.3914



15.8098, 0.2471, 0.3452



15.8098, 0.2259, 0.2979

Triad

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



15.8098, 0.2471, 0.3452



15.8098, 0.2851, 0.2557



15.8098, 0.4069, 0.3854

Complementary

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



15.8098, 0.2471, 0.3452



6.6124, 0.4697, 0.3158

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.



15.8098, 0.4081, 0.3480



15.8098, 0.2471, 0.3452



15.8098, 0.3345, 0.2766

Square

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



15.8098, 0.2471, 0.3452



15.8098, 0.2464, 0.2509



15.8098, 0.3809, 0.3093



15.8098, 0.3791, 0.4123

Rectangle

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



15.8098, 0.2471, 0.3452



15.8098, 0.2234, 0.2738



15.8098, 0.3809, 0.3093



15.8098, 0.4105, 0.3736

Sweetspot

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



15.8104, 0.2471, 0.3452



31.5843, 0.2886, 0.3333



14.9902, 0.3109, 0.5089



7.1535, 0.2856, 0.3339



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.8104, 0.2471, 0.3452



27.1412, 0.2392, 0.3495



9.8448, 0.2259, 0.2565



4.5061, 0.3006, 0.3310



15.8457, 0.2328, 0.3579



75.5168, 0.2332, 0.3595

Inverse Universe

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



6.6124, 0.4697, 0.3158



9.3784, 0.5290, 0.3155



9.8297, 0.4465, 0.3879



4.0207, 0.3263, 0.3270



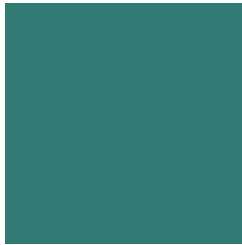
4.3828, 0.6242, 0.3212



20.8465, 0.6315, 0.3253

Previews

White Background



This preview shows how the Yxy color 15.8098, 0.2471, 0.3452 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 15.8098, 0.2471, 0.3452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

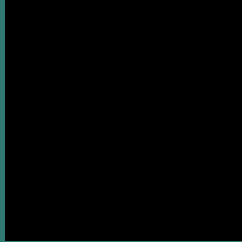
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8098, 0.2471, 0.3452

Background



This preview shows how black text looks on a background with the Yxy color 15.8098, 0.2471, 0.3452.



This preview shows how white text looks on a background with the Yxy color 15.8098, 0.2471, 0.3452.

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

15.8098, 0.2471, 0.3452

Protanopia

15.7453, 0.3193, 0.3331

Deuteranopia

15.6053, 0.3124, 0.3073



Tritanopia

15.8569, 0.2383, 0.3067

Trichromacy



Original Color

15.8098, 0.2471, 0.3452

Protanomaly

15.3560, 0.2863, 0.3355

Deuteranomaly

15.1480, 0.2818, 0.3181

Tritanomaly

15.9123, 0.2413, 0.3198

Monochromacy



Original Color

15.8098, 0.2471, 0.3452

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.2846, 0.2813, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8098, 0.2471, 0.3452 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(49, 122, 115)` looks like.

```
.text, #text, p{  
  color:rgb(49, 122, 115)  
}
```

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(49, 122, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 122, 115) }
```

Border

The CSS property to change the border of an element to Yxy 15.8098, 0.2471, 0.3452 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(49, 122, 115) }
```

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

```
.border{ border-color:rgb(49, 122, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 122, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 122, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 122, 115);  
box-shadow:4px 4px 4px 4px rgb(49, 122,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8098, 0.2471, 0.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 122, 115) }
```

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

```
.background{ background-color: rgb(49, 122,  
115) }
```

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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