

Converting Colors

$Y_{xy}(15.9983, 0.2470, 0.3453)$

Have a look what the booklet for
Yxy(15.9983, 0.2470, 0.3453)
contains.

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Color

Yxy(16.0798, 0.2468, 0.3450)

Conversions

Conversions Part 1

Format	Color
Hex	317B74
RGB	49, 123, 116
RGB Percent	19%, 48%, 45%
CMY	0.8078, 0.5176, 0.5450
CMYK	0.60, 0.00, 0.06, 0.52
HSL	174°, 43%, 34%
HSV	174°, 60%, 48%
XYZ	11.5029, 16.0798, 19.0254
YIQ	100.0760, -41.8570, -17.8650

Conversions

Conversions Part 2

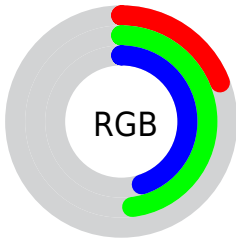
Format	Color
RYB	49, 88, 123
Decimal	3242868
CIELab	47.08, -24.57, -3.06
CIELCh	47, 24.761, 187.087
Yxy	16.0798, 0.2468, 0.3450
Android (android.graphics.Color)	4281432948 (0xFF317B74)
YUV	100.0760, 7.8505, -44.7937
Hunter-Lab	40.0996, -18.9703, -0.0606

Details

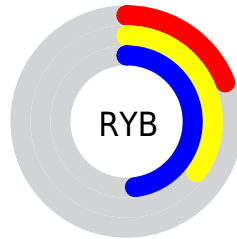
The Yxy color **16.0798, 0.2468, 0.3450** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.6937, 0.4712, 0.3160**, and the grayscale version is **12.7530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7614, 0.2619, 0.3416**, and **5.3149, 0.2310, 0.3516** is the 20% darker color. If you saturate the color by 10%, you get **15.7883, 0.2408, 0.3481**, and if you desaturate by 10%, it is **16.4563, 0.2545, 0.3420**.

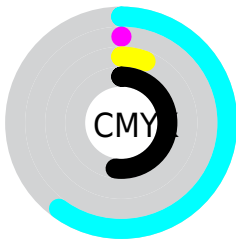
Distribution



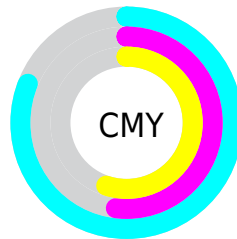
- Red (19%)
- Green (48%)
- Blue (45%)



- Red (19%)
- Yellow (35%)
- 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 16.0798, 0.2468, 0.3450 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 16.0798, 0.2468, 0.3450 by changing the saturation by 10% instead.


 16.0798, 0.2468,
0.3450


 16.0798, 0.2468,
0.3450


 229.8121, 0.2851,
0.3361


 9.5806, 0.2349,
0.3475


 36.7367, 0.2623,
0.3415


 5.1218, 0.2179,
0.3509

 51.6632, 0.2676,
0.3403


 2.3189, 0.1916,
0.3556

 70.1676, 0.2719,
0.3393

 0.7837, 0.0725,
0.3920

 92.6343, 0.2754,
0.3384

 0.0000, 0.0000,
0.0000

 119.4478, 0.2784,
0.3377

 150.9923, 0.2810,

0.3371

187.6523, 0.2832,
0.3366

■ 16.0798, 0.2468,
0.3450

■ 16.0798, 0.2468,
0.3450

■ 15.7883, 0.2408,
0.3481

■ 16.4563, 0.2545,
0.3420

■ 15.5731, 0.2365,
0.3512

■ 16.9223, 0.2638,
0.3391

■ 15.4266, 0.2340,
0.3543

■ 17.4839, 0.2745,
0.3363

■ 15.3223, 0.2326,
0.3573

■ 18.1463, 0.2864,
0.3337

■ 18.9143, 0.2991,
0.3313

■ 19.7923, 0.3125,
0.3290

■ 20.7846, 0.3263,
0.3270

■ 21.8952, 0.3403,
0.3252

■ 23.1278, 0.3542,
0.3236

Harmonies

Analogous

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



16.0798, 0.2860, 0.3914



16.0798, 0.2468, 0.3450



16.0798, 0.2256, 0.2976

Triad

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



16.0798, 0.2468, 0.3450



16.0798, 0.2852, 0.2556



16.0798, 0.4070, 0.3857

Complementary

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



16.0798, 0.2468, 0.3450



6.6937, 0.4712, 0.3160

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.



16.0798, 0.4084, 0.3482



16.0798, 0.2468, 0.3450



16.0798, 0.3348, 0.2766

Square

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



16.0798, 0.2468, 0.3450



16.0798, 0.2464, 0.2507



16.0798, 0.3813, 0.3094



16.0798, 0.3791, 0.4126

Rectangle

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



16.0798, 0.2468, 0.3450



16.0798, 0.2232, 0.2735



16.0798, 0.3813, 0.3094



16.0798, 0.4107, 0.3738

Sweetspot

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



16.0804, 0.2468, 0.3450



32.7175, 0.2885, 0.3333



15.2403, 0.3108, 0.5099



7.6305, 0.2854, 0.3339



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.0804, 0.2468, 0.3450



28.1185, 0.2390, 0.3492



9.9829, 0.2256, 0.2561



4.5062, 0.3005, 0.3310



15.8504, 0.2326, 0.3574



75.5401, 0.2331, 0.3590

Inverse Universe

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



6.6937, 0.4712, 0.3160



9.7007, 0.5298, 0.3158



9.9679, 0.4474, 0.3881



4.0206, 0.3263, 0.3270



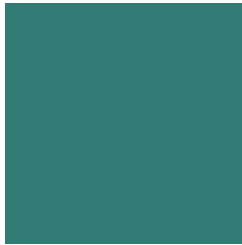
4.3822, 0.6245, 0.3214



20.8448, 0.6318, 0.3254

Previews

White Background



This preview shows how the Yxy color 16.0798, 0.2468, 0.3450 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 16.0798, 0.2468, 0.3450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

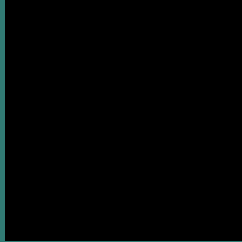
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0798, 0.2468, 0.3450

Background



This preview shows how black text looks on a background with the Yxy color 16.0798, 0.2468, 0.3450.



This preview shows how white text looks on a background with the Yxy color 16.0798, 0.2468, 0.3450.

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

16.0798, 0.2468, 0.3450

Protanopia

15.9837, 0.3179, 0.3331

Deuteranopia

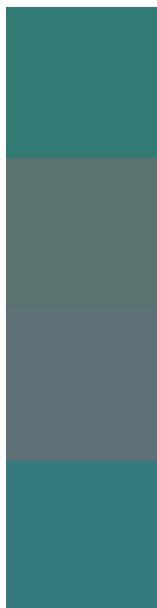
15.9086, 0.3124, 0.3075



Tritanopia

16.1257, 0.2380, 0.3068

Trichromacy



Original Color

16.0798, 0.2468, 0.3450

Protanomaly

15.6050, 0.2853, 0.3355

Deuteranomaly

15.4454, 0.2821, 0.3182

Tritanomaly

16.1823, 0.2410, 0.3198

Monochromacy



Original Color

16.0798, 0.2468, 0.3450

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.5151, 0.2803, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0798, 0.2468, 0.3450 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, 123, 116)` looks like.

```
.text, #text, p{  
  color:rgb(49, 123, 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(49, 123, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 123, 116) }
```

Border

The CSS property to change the border of an element to Yxy 16.0798, 0.2468, 0.3450 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, 123, 116) }
```

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

```
.border{ border-color:rgb(49, 123, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 123, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 123, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 123, 116);  
box-shadow:4px 4px 4px 4px rgb(49, 123,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0798, 0.2468, 0.3450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 123, 116) }
```

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

```
.background{ background-color: rgb(49, 123,  
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](#).

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