

Converting Colors

$Y_{xy}(16.9733, 0.2618, 0.3398)$

Have a look what the booklet for
Yxy(16.9733, 0.2618, 0.3398)
contains.

Yxy(17.0868, 0.2612, 0.3398)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.0868, 0.2612, 0.3398)

Conversions

Conversions Part 1

Format	Color
Hex	477C77
RGB	71, 124, 119
RGB Percent	28%, 49%, 47%
CMY	0.7217, 0.5137, 0.5333
CMYK	0.43, 0.00, 0.04, 0.51
HSL	174°, 27%, 38%
HSV	174°, 43%, 49%
XYZ	13.1344, 17.0868, 20.0637
YIQ	107.5830, -29.9830, -12.7910

Conversions

Conversions Part 2

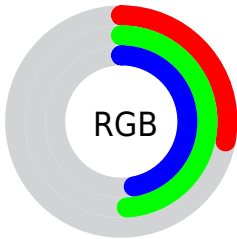
Format	Color
RYB	71, 99, 124
Decimal	4684919
CIELab	48.37, -18.95, -2.83
CIElCh	48, 19.163, 188.488
Yxy	17.0868, 0.2612, 0.3398
Android (android.graphics.Color)	4282874999 (0xFF477C77)
YUV	107.5830, 5.6286, -32.0833
Hunter-Lab	41.3362, -15.6206, 0.1573

Details

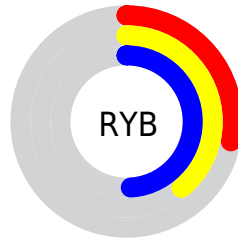
The Yxy color **17.0868, 0.2612, 0.3398** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.3080, 0.4068, 0.3191**, and the grayscale version is **14.8618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5955, 0.2736, 0.3381**, and **5.6157, 0.2386, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **16.6379, 0.2523, 0.3427**, and if you desaturate by 10%, it is **17.6331, 0.2716, 0.3370**.

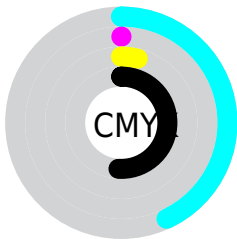
Distribution



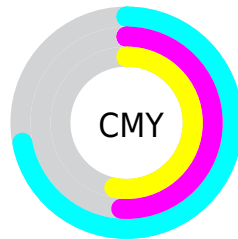
- Red (28%)
- Green (49%)
- Blue (47%)



- Red (28%)
- Yellow (39%)
- Blue (49%)



- Cyan (43%)
- Magenta (0%)
- Yellow (4%)
- Black (51%)





- Cyan (72%)
- Magenta (51%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0868, 0.2612, 0.3398 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 17.0868, 0.2612, 0.3398 by changing the saturation by 10% instead.


 17.0868, 0.2612,
0.3398


 17.0868, 0.2612,
0.3398


235.6721, 0.2910,
0.3338


 10.2964, 0.2520,
0.3415


 38.4750, 0.2732,
0.3375


 5.5959, 0.2389,
0.3438

 53.8415, 0.2773,
0.3367

 2.6010, 0.2187,
0.3469

 72.8355, 0.2807,
0.3360

 0.9272, 0.1625,
0.3604

 95.8415, 0.2834,
0.3354

 0.0000, 0.0000,
0.0000

 123.2437, 0.2858,
0.3349

155.4266, 0.2877,

0.3345

192.7746, 0.2895,
0.3342

■ 17.0868, 0.2612,
0.3398

■ 17.0868, 0.2612,
0.3398

■ 16.6379, 0.2523,
0.3427

■ 17.6331, 0.2716,
0.3370

■ 16.2785, 0.2450,
0.3458

■ 18.2800, 0.2831,
0.3343

■ 16.0028, 0.2395,
0.3488


■ 19.0334, 0.2957,
0.3319

■ 15.8034, 0.2357,
0.3519


■ 19.8977, 0.3089,
0.3296

■ 15.6713, 0.2336,
0.3550


■ 20.8775, 0.3227,
0.3275

 15.5946, 0.2326,
0.3573

 21.9767, 0.3366,
0.3257

 23.1994, 0.3506,
0.3240

 24.5493, 0.3645,
0.3226

 26.0300, 0.3781,
0.3213

Harmonies

Analogous

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



17.0868, 0.2913, 0.3740



17.0868, 0.2612, 0.3398



17.0868, 0.2450, 0.3046

Triad

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



17.0868, 0.2612, 0.3398



17.0868, 0.2938, 0.2724



17.0868, 0.3839, 0.3748

Complementary

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



17.0868, 0.2612, 0.3398



9.3080, 0.4068, 0.3191

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.



17.0868, 0.3855, 0.3463



17.0868, 0.2612, 0.3398



17.0868, 0.3316, 0.2895

Square

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



17.0868, 0.2612, 0.3398



17.0868, 0.2629, 0.2683



17.0868, 0.3660, 0.3158



17.0868, 0.3625, 0.3933

Rectangle

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



17.0868, 0.2612, 0.3398



17.0868, 0.2435, 0.2861



17.0868, 0.3660, 0.3158



17.0868, 0.3869, 0.3660

Sweetspot

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



17.0875, 0.2612, 0.3398



33.4150, 0.2950, 0.3320



16.4189, 0.3126, 0.4524



7.8077, 0.2926, 0.3325



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.



17.0875, 0.2612, 0.3398



29.3158, 0.2528, 0.3426



12.4519, 0.2491, 0.2804



4.5063, 0.3005, 0.3310



15.8513, 0.2326, 0.3573



75.5443, 0.2330, 0.3589

Inverse Universe

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



9.3080, 0.4068, 0.3191



13.7710, 0.4399, 0.3172



12.4253, 0.3983, 0.3724



4.0206, 0.3263, 0.3270



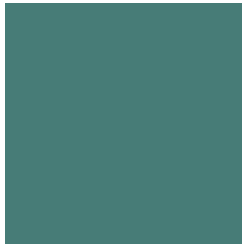
4.3822, 0.6245, 0.3214



20.8445, 0.6318, 0.3254

Previews

White Background



This preview shows how the Yxy color 17.0868, 0.2612, 0.3398 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 17.0868, 0.2612, 0.3398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

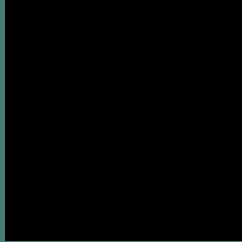
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.0868, 0.2612, 0.3398

Background



This preview shows how black text looks on a background with the Yxy color 17.0868, 0.2612, 0.3398.



This preview shows how white text looks on a background with the Yxy color 17.0868, 0.2612, 0.3398.

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

17.0868, 0.2612, 0.3398

Protanopia

17.0088, 0.3179, 0.3310

Deuteranopia

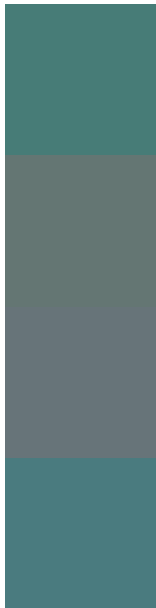
16.9116, 0.3137, 0.3080



Tritanopia

17.0809, 0.2527, 0.3078

Trichromacy



Original Color

17.0868, 0.2612, 0.3398

Protanomaly

16.9040, 0.2940, 0.3352

Deuteranomaly

16.7548, 0.2909, 0.3188

Tritanomaly

17.1541, 0.2565, 0.3203

Monochromacy



Original Color

17.0868, 0.2612, 0.3398

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.6374, 0.2911, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0868, 0.2612, 0.3398 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(71, 124, 119)` looks like.

```
.text, #text, p{  
    color:rgb(71, 124, 119)  
}
```

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(71, 124, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 124, 119) }
```

Border

The CSS property to change the border of an element to Yxy 17.0868, 0.2612, 0.3398 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(71, 124, 119) }
```

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

```
.border{ border-color:rgb(71, 124, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 124, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 124, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 124, 119);  
box-shadow:4px 4px 4px 4px rgb(71, 124,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0868, 0.2612, 0.3398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 124, 119) }
```

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

```
.background{ background-color: rgb(71, 124,  
119) }
```

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