

Converting Colors

$Y_{xy}(10.9925, 0.0490, 0.4244)$

Have a look what the booklet for
 $Y_{xy}(10.9925, 0.0490, 0.4244)$
contains.

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Color

Yxy(15.0478, 0.2425, 0.3928)

Conversions

Conversions Part 1

Format	Color
Hex	007B62
RGB	0, 123, 98
RGB Percent	0%, 48%, 38%
CMY	0.9990, 0.5177, 0.6157
CMYK	1.00, 0.00, 0.20, 0.52
HSL	168°, 100%, 24%
HSV	168°, 100%, 48%
XYZ	9.2899, 15.0478, 13.9713
YIQ	83.3730, -65.2830, -33.8510

Conversions

Conversions Part 2

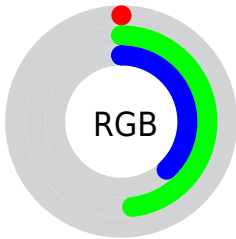
Format	Color
RYB	0, 68, 123
Decimal	31586
CIELab	45.70, -35.63, 5.50
CIELCh	46, 36.051, 171.221
Yxy	15.0478, 0.2425, 0.3928
Android (android.graphics.Color)	4278221666 (0xFF007B62)
YUV	83.3730, 7.2111, -73.1181
Hunter-Lab	38.7915, -25.1372, 5.7999

Details

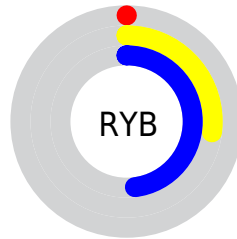
The Yxy color **15.0478, 0.2425, 0.3928** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **4.2872, 0.5982, 0.3072**, and the grayscale version is **8.7405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8403, 0.2596, 0.3753**, and **5.0130, 0.2487, 0.4152** is the 20% darker color. If you saturate the color by 10%, you get **15.0459, 0.2425, 0.3929**, and if you desaturate by 10%, it is **15.1770, 0.2431, 0.3856**.

Distribution



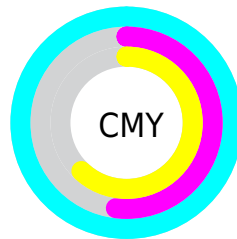
- Red (0%)
- Green (48%)
- Blue (38%)



- Red (0%)
- Yellow (27%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (52%)





- Cyan (100%)
- Magenta (52%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0478, 0.2425, 0.3928 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 15.0478, 0.2425, 0.3928 by changing the saturation by 10% instead.


 15.0478, 0.2425,
0.3928


 15.0478, 0.2425,
0.3928


 223.6554, 0.2844,
0.3540


 8.8529, 0.2288,
0.4060


 34.9370, 0.2598,
0.3765


 4.6454, 0.2087,
0.4260

 49.4002, 0.2656,
0.3711


 2.0407, 0.1762,
0.4597

 67.3882, 0.2703,
0.3668

 0.6310, 0.0000,
0.6761

 89.2855, 0.2742,
0.3633

 0.0000, 0.0000,
0.0000

 115.4765, 0.2773,
0.3604

 146.3455, 0.2801,

0.3579

182.2770, 0.2824,
0.3558

15.0478, 0.2425,
0.3928

15.0478, 0.2425,
0.3928

15.0459, 0.2425,
0.3929

15.1770, 0.2431,
0.3856

15.3491, 0.2448,
0.3785

15.5914, 0.2484,
0.3714

15.9121, 0.2537,
0.3644

16.3180, 0.2607,
0.3575

■ 16.8153, 0.2691,
0.3510

■ 17.4097, 0.2788,
0.3448

■ 18.1062, 0.2895,
0.3391

■ 18.9098, 0.3010,
0.3338

Harmonies

Analogous

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



15.0478, 0.3073, 0.4521



15.0478, 0.2425, 0.3928



15.0478, 0.1996, 0.3150

Triad

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



15.0478, 0.2425, 0.3928



15.0478, 0.2397, 0.2184



15.0478, 0.4584, 0.3777

Complementary

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



15.0478, 0.2425, 0.3928



4.2872, 0.5982, 0.3072

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.



15.0478, 0.4391, 0.3233



15.0478, 0.2425, 0.3928



15.0478, 0.3041, 0.2367

Square

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



15.0478, 0.2425, 0.3928



15.0478, 0.1991, 0.2231



15.0478, 0.3794, 0.2738



15.0478, 0.4336, 0.4290

Rectangle

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



15.0478, 0.2425, 0.3928



15.0478, 0.1870, 0.2716



15.0478, 0.3794, 0.2738



15.0478, 0.4572, 0.3595

Sweetspot

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



15.0484, 0.2425, 0.3928



31.0714, 0.2779, 0.3454



14.3962, 0.3097, 0.5920



7.2270, 0.2744, 0.3475



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.



15.0484, 0.2425, 0.3928



26.9246, 0.2430, 0.3946



8.4465, 0.1994, 0.2378



4.4991, 0.3019, 0.3334



15.5653, 0.2425, 0.3931



74.1234, 0.2435, 0.3968

Inverse Universe

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



4.2872, 0.5982, 0.3072



7.6489, 0.6042, 0.3102



5.4147, 0.5936, 0.3665



4.0272, 0.3248, 0.3247



4.4283, 0.5992, 0.3075



21.0221, 0.6105, 0.3137

Previews

White Background



This preview shows how the Yxy color 15.0478, 0.2425, 0.3928 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 15.0478, 0.2425, 0.3928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

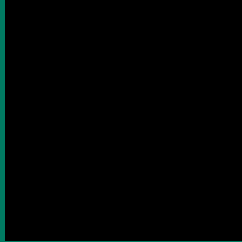
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0478, 0.2425, 0.3928

Background



This preview shows how black text looks on a background with the Yxy color 15.0478, 0.2425, 0.3928.



This preview shows how white text looks on a background with the Yxy color 15.0478, 0.2425, 0.3928.

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

15.0478, 0.2425, 0.3928

Protanopia

15.0407, 0.3449, 0.3667

Deuteranopia

14.8530, 0.3385, 0.3331



Tritanopia

15.1719, 0.2283, 0.3059

Trichromacy



Original Color

15.0478, 0.2425, 0.3928

Protanomaly

14.0170, 0.2861, 0.3773

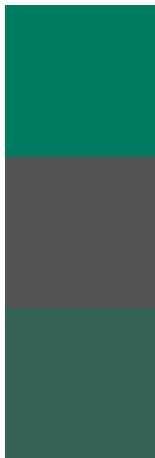
Deuteranomaly

13.8450, 0.2805, 0.3526

Tritanomaly

14.9351, 0.2315, 0.3336

Monochromacy



Original Color

15.0478, 0.2425, 0.3928

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

10.1968, 0.2657, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0478, 0.2425, 0.3928 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(0, 123, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 98)  
}
```

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(0, 123, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 98) }
```

Border

The CSS property to change the border of an element to Yxy 15.0478, 0.2425, 0.3928 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(0, 123, 98) }
```

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

```
.border{ border-color:rgb(0, 123, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 123, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 123, 98)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.0478, 0.2425, 0.3928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 123, 98) }
```

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

```
.background{ background-color: rgb(0, 123,  
98) }
```

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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