

Converting Colors

$Yxy(11.7608, 0.1144, 0.4091)$

Have a look what the booklet for
Yxy(11.7608, 0.1144, 0.4091)
contains.

Yxy(14.8009, 0.2418, 0.3906)	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(14.8009, 0.2418, 0.3906)

Conversions

Conversions Part 1

Format	Color
Hex	007A62
RGB	0, 122, 98
RGB Percent	0%, 48%, 38%
CMY	1.0000, 0.5215, 0.6157
CMYK	1.00, 0.00, 0.20, 0.52
HSL	168°, 100%, 24%
HSV	168°, 100%, 48%
XYZ	9.1625, 14.8009, 13.9294
YIQ	82.7860, -65.0080, -33.3280

Conversions

Conversions Part 2

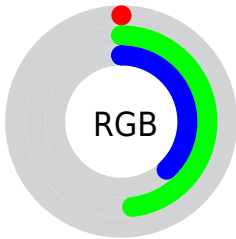
Format	Color
RYB	0, 68, 122
Decimal	31330
CIELab	45.36, -35.22, 5.02
CIELCh	45, 35.580, 171.892
Yxy	14.8009, 0.2418, 0.3906
Android (android.graphics.Color)	4278221410 (0xFF007A62)
YUV	82.7860, 7.5005, -72.6033
Hunter-Lab	38.4719, -24.8144, 5.4635

Details

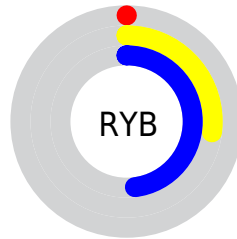
The Yxy color **14.8009, 0.2418, 0.3906** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.2040, 0.6006, 0.3082**, and the grayscale version is **8.5997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4496, 0.2593, 0.3738**, and **4.8827, 0.2477, 0.4118** is the 20% darker color. If you saturate the color by 10%, you get **14.8026, 0.2418, 0.3906**, and if you desaturate by 10%, it is **14.9282, 0.2425, 0.3837**.

Distribution



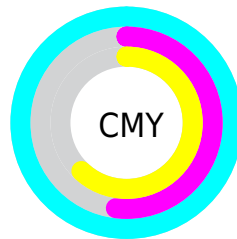
- Red (0%)
- Green (48%)
- Blue (38%)



- 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 14.8009, 0.2418, 0.3906 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 14.8009, 0.2418, 0.3906 by changing the saturation by 10% instead.


 14.8009, 0.2418,
0.3906


 14.8009, 0.2418,
0.3906


222.1579, 0.2841,
0.3531


 8.6798, 0.2280,
0.4034


 34.5035, 0.2593,
0.3748


 4.5329, 0.2076,
0.4227

 48.8538, 0.2652,
0.3696


 1.9759, 0.1743,
0.4554

 66.7159, 0.2699,
0.3655

 0.5934, 0.0000,
0.6677

 88.4743, 0.2738,
0.3621

 0.0000, 0.0000,
0.0000

 114.5133, 0.2770,
0.3593

 145.2173, 0.2798,

0.3569

180.9707, 0.2821,
0.3549

14.8009, 0.2418,
0.3906

14.8009, 0.2418,
0.3906

14.8026, 0.2418,
0.3906

14.9282, 0.2425,
0.3837

15.0952, 0.2443,
0.3768

15.3308, 0.2478,
0.3700

15.6431, 0.2532,
0.3632

16.0388, 0.2602,
0.3566

■ 16.5241, 0.2687,
0.3504

■ 17.1043, 0.2784,
0.3444

■ 17.7847, 0.2892,
0.3388

■ 18.5698, 0.3007,
0.3337

Harmonies

Analogous

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



14.8009, 0.3059, 0.4502



14.8009, 0.2418, 0.3906



14.8009, 0.1998, 0.3136

Triad

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



14.8009, 0.2418, 0.3906



14.8009, 0.2414, 0.2193



14.8009, 0.4573, 0.3787

Complementary

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



14.8009, 0.2418, 0.3906



4.2040, 0.6006, 0.3082

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.



14.8009, 0.4390, 0.3246



14.8009, 0.2418, 0.3906



14.8009, 0.3058, 0.2379

Square

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



14.8009, 0.2418, 0.3906



14.8009, 0.2005, 0.2234



14.8009, 0.3806, 0.2752



14.8009, 0.4318, 0.4294

Rectangle

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



14.8009, 0.2418, 0.3906



14.8009, 0.1876, 0.2709



14.8009, 0.3806, 0.2752



14.8009, 0.4563, 0.3606

Sweetspot

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



14.8026, 0.2418, 0.3906



30.0085, 0.2777, 0.3448



14.1199, 0.3086, 0.5932



6.7795, 0.2743, 0.3468



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.



14.8026, 0.2418, 0.3906



26.0200, 0.2423, 0.3922



7.9662, 0.1978, 0.2319



4.4996, 0.3018, 0.3332



15.5818, 0.2419, 0.3908



74.2051, 0.2429, 0.3943

Inverse Universe

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



4.2040, 0.6006, 0.3082



7.3787, 0.6058, 0.3111



5.4366, 0.5900, 0.3697



4.0268, 0.3249, 0.3248



4.4246, 0.6011, 0.3085



21.0070, 0.6123, 0.3146

Previews

White Background



This preview shows how the Yxy color 14.8009, 0.2418, 0.3906 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 14.8009, 0.2418, 0.3906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

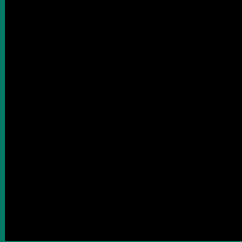
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.8009, 0.2418, 0.3906

Background



This preview shows how black text looks on a background with the Yxy color 14.8009, 0.2418, 0.3906.



This preview shows how white text looks on a background with the Yxy color 14.8009, 0.2418, 0.3906.

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

14.8009, 0.2418, 0.3906

Protanopia

14.7643, 0.3438, 0.3648

Deuteranopia

14.5817, 0.3373, 0.3311



Tritanopia

14.9087, 0.2284, 0.3058

Trichromacy



Original Color

14.8009, 0.2418, 0.3906

Protanomaly

13.7564, 0.2848, 0.3752

Deuteranomaly

13.6279, 0.2803, 0.3503

Tritanomaly

14.6722, 0.2316, 0.3336

Monochromacy



Original Color

14.8009, 0.2418, 0.3906

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

10.0109, 0.2653, 0.3539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8009, 0.2418, 0.3906 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, 122, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 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, 122, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 98) }
```

Border

The CSS property to change the border of an element to Yxy 14.8009, 0.2418, 0.3906 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, 122, 98) }
```

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

```
.border{ border-color:rgb(0, 122, 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, 122, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 122, 98)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.8009, 0.2418, 0.3906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 98) }
```

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

```
.background{ background-color: rgb(0, 122,  
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](#).

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