

Converting Colors

$Yxy(14.0331, 0.2304, 0.3862)$

Have a look what the booklet for
Yxy(14.0331, 0.2304, 0.3862)
contains.

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Color

Yxy(14.3148, 0.2406, 0.3860)

Conversions

Conversions Part 1

Format	Color
Hex	007862
RGB	0, 120, 98
RGB Percent	0%, 47%, 38%
CMY	0.9993, 0.5294, 0.6157
CMYK	1.00, 0.00, 0.18, 0.53
HSL	169°, 100%, 24%
HSV	169°, 100%, 47%
XYZ	8.9226, 14.3148, 13.8475
YIQ	81.6120, -64.4580, -32.2820

Conversions

Conversions Part 2

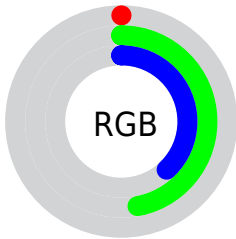
Format	Color
RYB	0, 66, 120
Decimal	30818
CIELab	44.68, -34.31, 4.05
CIELCh	45, 34.552, 173.277
Yxy	14.3148, 0.2406, 0.3860
Android (android.graphics.Color)	4278220898 (0xFF007862)
YUV	81.6120, 8.0793, -71.5737
Hunter-Lab	37.8349, -24.1152, 4.7844

Details

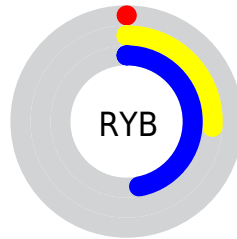
The Yxy color **14.3148, 0.2406, 0.3860** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.0556, 0.6033, 0.3099**, and the grayscale version is **8.3607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6348, 0.2582, 0.3706**, and **4.6283, 0.2458, 0.4048** is the 20% darker color. If you saturate the color by 10%, you get **14.3135, 0.2406, 0.3861**, and if you desaturate by 10%, it is **14.4359, 0.2414, 0.3796**.

Distribution



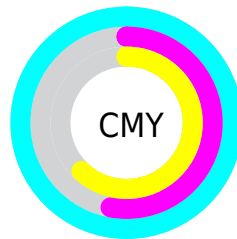
- Red (0%)
- Green (47%)
- Blue (38%)



- Red (0%)
- Yellow (26%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (53%)




- Cyan (100%)
- Magenta (53%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.3148, 0.2406, 0.3860 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 14.3148, 0.2406, 0.3860 by changing the saturation by 10% instead.


 14.3148, 0.2406,
0.3860


 14.3148, 0.2406,
0.3860

219.1805, 0.2837,
0.3513


 8.3399, 0.2265,
0.3978


 33.6466, 0.2585,
0.3714


 4.3132, 0.2056,
0.4157

 47.7722, 0.2645,
0.3666


 1.8503, 0.1706,
0.4465

 65.3837, 0.2693,
0.3627

 0.5182, 0.0000,
0.6480

 86.8652, 0.2732,
0.3596

 0.0000, 0.0000,
0.0000

 112.6013, 0.2765,
0.3570

 142.9762, 0.2793,

0.3548

178.3745, 0.2817,
0.3529

14.3148, 0.2406,
0.3860

14.3148, 0.2406,
0.3860

14.3135, 0.2406,
0.3861

14.4359, 0.2414,
0.3796

14.5962, 0.2433,
0.3733

14.8226, 0.2470,
0.3669

15.1228, 0.2525,
0.3607

15.5032, 0.2596,
0.3546

■ 15.9697, 0.2683,
0.3488

■ 16.5274, 0.2781,
0.3432

■ 17.1813, 0.2890,
0.3381

■ 17.9359, 0.3007,
0.3333

Harmonies

Analogous

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



14.3148, 0.3030, 0.4460



14.3148, 0.2406, 0.3860



14.3148, 0.2004, 0.3108

Triad

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



14.3148, 0.2406, 0.3860



14.3148, 0.2451, 0.2213



14.3148, 0.4545, 0.3807

Complementary

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



14.3148, 0.2406, 0.3860



4.0556, 0.6033, 0.3099

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.



14.3148, 0.4386, 0.3272



14.3148, 0.2406, 0.3860



14.3148, 0.3094, 0.2407

Square

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



14.3148, 0.2406, 0.3860



14.3148, 0.2035, 0.2244



14.3148, 0.3826, 0.2781



14.3148, 0.4279, 0.4300

Rectangle

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



14.3148, 0.2406, 0.3860



14.3148, 0.1891, 0.2695



14.3148, 0.3826, 0.2781



14.3148, 0.4543, 0.3628

Sweetspot

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



14.3154, 0.2406, 0.3860



28.9761, 0.2772, 0.3437



13.6287, 0.3087, 0.5929



6.7845, 0.2737, 0.3456



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.



14.3154, 0.2406, 0.3860



25.1582, 0.2410, 0.3876



7.7062, 0.1979, 0.2322



4.5004, 0.3016, 0.3330



15.6140, 0.2407, 0.3864



74.3648, 0.2416, 0.3897

Inverse Universe

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



4.0556, 0.6033, 0.3099



7.1097, 0.6090, 0.3128



5.2629, 0.5892, 0.3700



4.0260, 0.3251, 0.3251



4.4178, 0.6047, 0.3105



20.9796, 0.6154, 0.3164

Previews

White Background



This preview shows how the Yxy color 14.3148, 0.2406, 0.3860 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 14.3148, 0.2406, 0.3860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

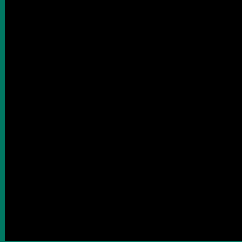
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.3148, 0.2406, 0.3860

Background



This preview shows how black text looks on a background with the Yxy color 14.3148, 0.2406, 0.3860.



This preview shows how white text looks on a background with the Yxy color 14.3148, 0.2406, 0.3860.

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

14.3148, 0.2406, 0.3860

Protanopia

14.2208, 0.3416, 0.3611

Deuteranopia

14.2440, 0.3347, 0.3291



Tritanopia

14.3545, 0.2277, 0.3054

Trichromacy



Original Color

14.3148, 0.2406, 0.3860

Protanomaly

13.2818, 0.2834, 0.3708

Deuteranomaly

13.3727, 0.2790, 0.3481

Tritanomaly

14.1541, 0.2304, 0.3312

Monochromacy



Original Color

14.3148, 0.2406, 0.3860

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

9.8004, 0.2638, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.3148, 0.2406, 0.3860 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, 120, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 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, 120, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 98) }
```

Border

The CSS property to change the border of an element to Yxy 14.3148, 0.2406, 0.3860 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, 120, 98) }
```

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

```
.border{ border-color:rgb(0, 120, 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, 120, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 120, 98)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.3148, 0.2406, 0.3860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 98) }
```

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

```
.background{ background-color: rgb(0, 120,  
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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