

Converting Colors

$Yxy(23.5831, 0.2397, 0.4146)$

Have a look what the booklet for
Yxy(23.5831, 0.2397, 0.4146)
contains.

Yxy(23.9974, 0.2478, 0.4122)	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(23.9974, 0.2478, 0.4122)

Conversions

Conversions Part 1

Format	Color
Hex	009972
RGB	0, 153, 114
RGB Percent	0%, 60%, 45%
CMY	1.0000, 0.4000, 0.5529
CMYK	1.00, 0.00, 0.25, 0.40
HSL	165°, 100%, 30%
HSV	165°, 100%, 60%
XYZ	14.4264, 23.9974, 19.7941
YIQ	102.8070, -78.6690, -44.5650

Conversions

Conversions Part 2

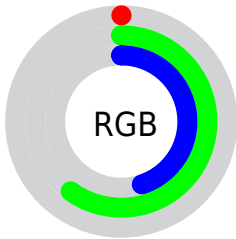
Format	Color
RYB	0, 88, 153
Decimal	39282
CIELab	56.09, -44.00, 10.99
CIELCh	56, 45.351, 165.980
Yxy	23.9974, 0.2478, 0.4122
Android (android.graphics.Color)	4278229362 (0xFF009972)
YUV	102.8070, 5.5181, -90.1617
Hunter-Lab	48.9871, -33.1604, 10.3339

Details

The Yxy color **23.9974, 0.2478, 0.4122** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.9195, 0.5880, 0.3013**, and the grayscale version is **13.5121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8912, 0.2623, 0.3922**, and **9.7007, 0.2554, 0.4396** is the 20% darker color. If you saturate the color by 10%, you get **24.0000, 0.2478, 0.4122**, and if you desaturate by 10%, it is **24.1949, 0.2474, 0.4029**.

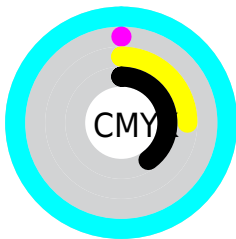
Distribution



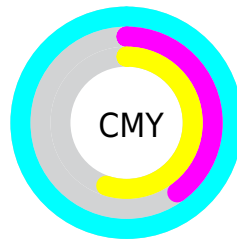
- Red (0%)
- Green (60%)
- Blue (45%)



- Red (0%)
- Yellow (35%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9974, 0.2478, 0.4122 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 23.9974, 0.2478, 0.4122 by changing the saturation by 10% instead.


 23.9974, 0.2478,
0.4122


 23.9974, 0.2478,
0.4122


272.8073, 0.2846,
0.3640


 15.3317, 0.2368,
0.4271


 50.0260, 0.2624,
0.3927


 9.0525, 0.2215,
0.4484


 68.1576, 0.2675,
0.3861

 4.7754, 0.1987,
0.4811

 90.2133, 0.2717,
0.3806

 2.1161, 0.1577,
0.5398

 116.5776, 0.2751,
0.3762

 0.6737, 0.0000,
1.0000

 147.6347, 0.2781,
0.3724

 0.0000, 0.0000,
0.0000

 183.7691, 0.2806,

0.3692

225.3652, 0.2827,
0.3664

■ 23.9974, 0.2478,
0.4122

■ 23.9974, 0.2478,
0.4122

■ 24.0000, 0.2478,
0.4122

■ 24.1949, 0.2474,
0.4029

■ 24.4705, 0.2484,
0.3936

■ 24.8623, 0.2513,
0.3842

■ 25.3847, 0.2561,
0.3750

■ 26.0497, 0.2626,
0.3661

■ 26.8680, 0.2706,
0.3576

■ 27.8495, 0.2799,
0.3496

■ 29.0029, 0.2902,
0.3421

■ 30.3365, 0.3012,
0.3352

Harmonies

Analogous

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



23.9974, 0.3193, 0.4685



23.9974, 0.2478, 0.4122



23.9974, 0.1977, 0.3273

Triad

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



23.9974, 0.2478, 0.4122



23.9974, 0.2250, 0.2104



23.9974, 0.4692, 0.3694

Complementary

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



23.9974, 0.2478, 0.4122



6.9195, 0.5880, 0.3013

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.



23.9974, 0.4402, 0.3123



23.9974, 0.2478, 0.4122



23.9974, 0.2896, 0.2259

Square

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



23.9974, 0.2478, 0.4122



23.9974, 0.1873, 0.2195



23.9974, 0.3704, 0.2619



23.9974, 0.4492, 0.4258

Rectangle

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



23.9974, 0.2478, 0.4122



23.9974, 0.1810, 0.2776



23.9974, 0.3704, 0.2619



23.9974, 0.4651, 0.3501

Sweetspot

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



24.0000, 0.2478, 0.4122



49.7574, 0.2793, 0.3500



23.2522, 0.3122, 0.5903



10.8311, 0.2756, 0.3531



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



24.0000, 0.2478, 0.4122



42.9455, 0.2483, 0.4140



15.0941, 0.2036, 0.2530



6.9996, 0.3021, 0.3347



19.8391, 0.2476, 0.4115



0.3023, 0.2362, 0.3704

Inverse Universe

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



6.9195, 0.5880, 0.3013



12.3648, 0.5926, 0.3038



8.0168, 0.6089, 0.3547



6.2472, 0.3245, 0.3233



5.7230, 0.5862, 0.3003



0.0908, 0.4838, 0.2439

Previews

White Background



This preview shows how the Yxy color 23.9974, 0.2478, 0.4122 looks on a white 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

Black Background



This preview shows how the Yxy color 23.9974, 0.2478, 0.4122 looks on a black 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

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

Yxy 23.9974, 0.2478, 0.4122

Background



This preview shows how black text looks on a background with the Yxy color 23.9974, 0.2478, 0.4122.



This preview shows how white text looks on a background with the Yxy color 23.9974, 0.2478, 0.4122.

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

23.9974, 0.2478, 0.4122

Protanopia

23.5458, 0.3541, 0.3774

Deuteranopia

23.7078, 0.3518, 0.3456



Tritanopia

24.0236, 0.2288, 0.3061

Trichromacy



Original Color

23.9974, 0.2478, 0.4122



Protanomaly

22.0125, 0.2917, 0.3938



Deuteranomaly

22.0027, 0.2901, 0.3704



Tritanomaly

23.7694, 0.2332, 0.3407

Monochromacy



Original Color

23.9974, 0.2478, 0.4122



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

15.8945, 0.2668, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9974, 0.2478, 0.4122 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, 153, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 114)  
}
```

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, 153, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 114) }
```

Border

The CSS property to change the border of an element to Yxy 23.9974, 0.2478, 0.4122 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, 153, 114) }
```

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

```
.border{ border-color:rgb(0, 153, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9974, 0.2478, 0.4122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 114) }
```

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

```
.background{ background-color: rgb(0, 153,  
114) }
```

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