

Converting Colors

$Yxy(23.9500, 0.2492, 0.4170)$

Have a look what the booklet for
Yxy(23.9500, 0.2492, 0.4170)
contains.

Yxy(23.9523, 0.2491, 0.4168)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.9523, 0.2491, 0.4168)

Conversions

Conversions Part 1

Format	Color
Hex	009970
RGB	0, 153, 112
RGB Percent	0%, 60%, 44%
CMY	1.0000, 0.4000, 0.5608
CMYK	1.00, 0.00, 0.27, 0.40
HSL	164°, 100%, 30%
HSV	164°, 100%, 60%
XYZ	14.3151, 23.9523, 19.1998
YIQ	102.5790, -78.0270, -45.1870

Conversions

Conversions Part 2

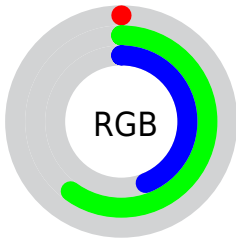
Format	Color
RYB	0, 88, 153
Decimal	39280
CIELab	56.04, -44.49, 12.05
CIELCh	56, 46.097, 164.841
Yxy	23.9523, 0.2491, 0.4168
Android (android.graphics.Color)	4278229360 (0xFF009970)
YUV	102.5790, 4.6446, -89.9618
Hunter-Lab	48.9411, -33.4364, 10.9991

Details

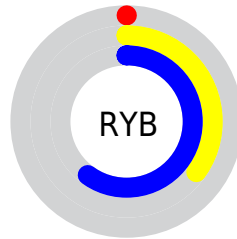
The Yxy color **23.9523, 0.2491, 0.4168** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.9328, 0.5837, 0.2989**, and the grayscale version is **13.4505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8183, 0.2634, 0.3954**, and **9.6775, 0.2573, 0.4464** is the 20% darker color. If you saturate the color by 10%, you get **23.9539, 0.2491, 0.4168**, and if you desaturate by 10%, it is **24.1514, 0.2486, 0.4070**.

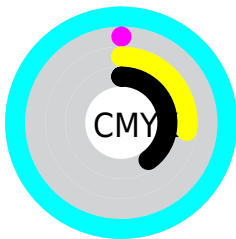
Distribution



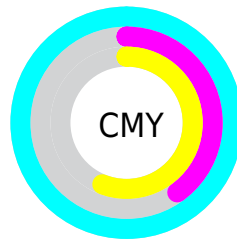
- Red (0%)
- Green (60%)
- Blue (44%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9523, 0.2491, 0.4168 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 23.9523, 0.2491, 0.4168 by changing the saturation by 10% instead.


 23.9523, 0.2491,
0.4168


 23.9523, 0.2491,
0.4168


272.5792, 0.2853,
0.3658


 15.2982, 0.2382,
0.4327


 49.9523, 0.2635,
0.3962


 9.0290, 0.2230,
0.4554


 68.0671, 0.2685,
0.3891

 4.7601, 0.2002,
0.4904

 90.1043, 0.2726,
0.3833

 2.1072, 0.1581,
0.5538

 116.4482, 0.2760,
0.3786

 0.6687, 0.0000,
1.0000

 147.4832, 0.2789,
0.3746

 0.0000, 0.0000,
0.0000

 183.5938, 0.2814,

0.3712

225.1644, 0.2835,
0.3683

■ 23.9523, 0.2491,
0.4168

■ 23.9523, 0.2491,
0.4168

■ 23.9539, 0.2491,
0.4168

■ 24.1514, 0.2486,
0.4070

■ 24.4301, 0.2495,
0.3971

■ 24.8254, 0.2523,
0.3872

■ 25.3516, 0.2569,
0.3775

■ 26.0209, 0.2633,
0.3681

■ 26.8439, 0.2712,
0.3591

■ 27.8304, 0.2804,
0.3507

■ 28.9893, 0.2905,
0.3428

■ 30.3288, 0.3014,
0.3356

Harmonies

Analogous

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



23.9523, 0.3221, 0.4722



23.9523, 0.2491, 0.4168



23.9523, 0.1973, 0.3304

Triad

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



23.9523, 0.2491, 0.4168



23.9523, 0.2217, 0.2086



23.9523, 0.4715, 0.3674

Complementary

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



23.9523, 0.2491, 0.4168



6.9328, 0.5837, 0.2989

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.



23.9523, 0.4403, 0.3098



23.9523, 0.2491, 0.4168



23.9523, 0.2863, 0.2234

Square

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



23.9523, 0.2491, 0.4168



23.9523, 0.1846, 0.2187



23.9523, 0.3682, 0.2592



23.9523, 0.4528, 0.4249

Rectangle

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



23.9523, 0.2491, 0.4168



23.9523, 0.1797, 0.2792



23.9523, 0.3682, 0.2592



23.9523, 0.4668, 0.3479

Sweetspot

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



23.9539, 0.2491, 0.4168



49.7249, 0.2798, 0.3511



23.3051, 0.3136, 0.5892



10.8232, 0.2762, 0.3543



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.



23.9539, 0.2491, 0.4168



42.8639, 0.2496, 0.4187



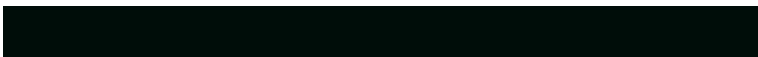
15.6977, 0.2052, 0.2588



6.9983, 0.3023, 0.3350



19.8020, 0.2489, 0.4161



0.3020, 0.2369, 0.3728

Inverse Universe

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



6.9328, 0.5837, 0.2989



12.3882, 0.5884, 0.3015



7.8688, 0.6123, 0.3520



6.2485, 0.3243, 0.3231



5.7344, 0.5819, 0.2979



0.0912, 0.4785, 0.2409

Previews

White Background



This preview shows how the Yxy color 23.9523, 0.2491, 0.4168 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 23.9523, 0.2491, 0.4168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

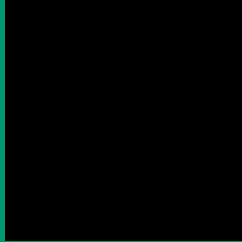
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9523, 0.2491, 0.4168

Background



This preview shows how black text looks on a background with the Yxy color 23.9523, 0.2491, 0.4168.



This preview shows how white text looks on a background with the Yxy color 23.9523, 0.2491, 0.4168.

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

23.9523, 0.2491, 0.4168

Protanopia

23.5940, 0.3576, 0.3807

Deuteranopia

23.6603, 0.3541, 0.3490



Tritanopia

24.0487, 0.2292, 0.3062

Trichromacy



Original Color

23.9523, 0.2491, 0.4168



Protanomaly

22.0209, 0.2944, 0.3979



Deuteranomaly

21.9561, 0.2919, 0.3745



Tritanomaly

23.7550, 0.2341, 0.3428

Monochromacy



Original Color

23.9523, 0.2491, 0.4168



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

15.8736, 0.2678, 0.3637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9523, 0.2491, 0.4168 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, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 112)  
}
```

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, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 112) }
```

Border

The CSS property to change the border of an element to Yxy 23.9523, 0.2491, 0.4168 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, 112) }
```

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

```
.border{ border-color:rgb(0, 153, 112) }
```

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, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9523, 0.2491, 0.4168 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, 112) }
```

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

```
.background{ background-color: rgb(0, 153,  
112) }
```

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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