

Converting Colors

$Y_{xy}(23.8971, 0.2507, 0.4226)$

Have a look what the booklet for
Yxy(23.8971, 0.2507, 0.4226)
contains.

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Color

Yxy(23.8866, 0.2510, 0.4237)

Conversions

Conversions Part 1

Format	Color
Hex	00996D
RGB	0, 153, 109
RGB Percent	0%, 60%, 43%
CMY	1.0000, 0.4000, 0.5725
CMYK	1.00, 0.00, 0.29, 0.40
HSL	163°, 100%, 30%
HSV	163°, 100%, 60%
XYZ	14.1504, 23.8866, 18.3392
YIQ	102.2370, -77.0640, -46.1200

Conversions

Conversions Part 2

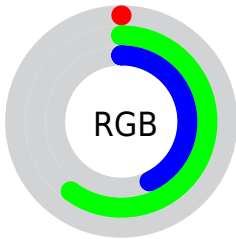
Format	Color
RYB	0, 89, 153
Decimal	39277
CIELab	55.97, -45.23, 13.64
CIELCh	56, 47.245, 163.217
Yxy	23.8866, 0.2510, 0.4237
Android (android.graphics.Color)	4278229357 (0xFF00996D)
YUV	102.2370, 3.3342, -89.6618
Hunter-Lab	48.8739, -33.8484, 11.9641

Details

The Yxy color **23.8866, 0.2510, 0.4237** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.9546, 0.5771, 0.2953**, and the grayscale version is **13.3600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7112, 0.2650, 0.4002**, and **9.6443, 0.2601, 0.4565** is the 20% darker color. If you saturate the color by 10%, you get **23.8889, 0.2510, 0.4237**, and if you desaturate by 10%, it is **24.0902, 0.2503, 0.4131**.

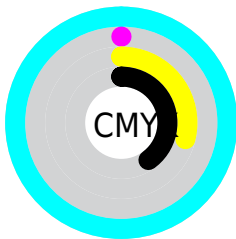
Distribution



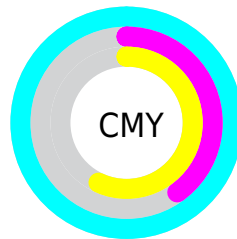
- Red (0%)
- Green (60%)
- Blue (43%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8866, 0.2510, 0.4237 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 23.8866, 0.2510, 0.4237 by changing the saturation by 10% instead.

■ 23.8866, 0.2510,
0.4237

■ 23.8866, 0.2510,
0.4237

■ 272.2467, 0.2864,
0.3684

■ 15.2495, 0.2403,
0.4410

■ 49.8451, 0.2652,
0.4013

■ 8.9947, 0.2251,
0.4659

■ 67.9353, 0.2701,
0.3936

■ 4.7377, 0.2022,
0.5043

■ 89.9453, 0.2741,
0.3874

■ 2.0942, 0.1583,
0.5749

■ 116.2596, 0.2774,
0.3823

■ 0.6614, 0.0000,
1.0000

■ 147.2624, 0.2802,
0.3780

■ 0.0000, 0.0000,
0.0000

■ 183.3383, 0.2826,

0.3743

224.8716, 0.2846,
0.3712

■ 23.8866, 0.2510,
0.4237

■ 23.8866, 0.2510,
0.4237

■ 23.8889, 0.2510,
0.4237

■ 24.0902, 0.2503,
0.4131

■ 24.3732, 0.2510,
0.4024

■ 24.7734, 0.2537,
0.3918

■ 25.3051, 0.2582,
0.3813

■ 25.9805, 0.2644,
0.3711

■ 26.8104, 0.2721,
0.3614

■ 27.8044, 0.2811,
0.3523

■ 28.9715, 0.2911,
0.3438

■ 30.3198, 0.3017,
0.3360

Harmonies

Analogous

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



23.8866, 0.3262, 0.4776



23.8866, 0.2510, 0.4237



23.8866, 0.1967, 0.3349

Triad

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



23.8866, 0.2510, 0.4237



23.8866, 0.2169, 0.2059



23.8866, 0.4751, 0.3645

Complementary

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



23.8866, 0.2510, 0.4237



6.9546, 0.5771, 0.2953

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.



23.8866, 0.4404, 0.3060



23.8866, 0.2510, 0.4237



23.8866, 0.2813, 0.2198

Square

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



23.8866, 0.2510, 0.4237



23.8866, 0.1807, 0.2175



23.8866, 0.3649, 0.2552



23.8866, 0.4581, 0.4236

Rectangle

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



23.8866, 0.2510, 0.4237



23.8866, 0.1777, 0.2814



23.8866, 0.3649, 0.2552



23.8866, 0.4694, 0.3446

Sweetspot

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



23.8889, 0.2510, 0.4237



49.6766, 0.2806, 0.3528



23.3628, 0.3150, 0.5881



10.8114, 0.2770, 0.3563



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.



23.8889, 0.2510, 0.4237



42.7456, 0.2516, 0.4257



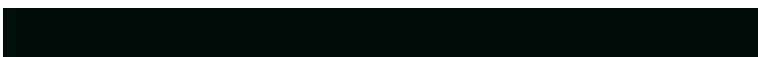
16.3187, 0.2068, 0.2645



6.9963, 0.3025, 0.3355



19.7482, 0.2508, 0.4229



0.3014, 0.2379, 0.3763

Inverse Universe

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



6.9546, 0.5771, 0.2953



12.4256, 0.5819, 0.2979



7.7321, 0.6155, 0.3495



6.2504, 0.3241, 0.3226



5.7525, 0.5752, 0.2942



0.0917, 0.4708, 0.2367

Previews

White Background



This preview shows how the Yxy color 23.8866, 0.2510, 0.4237 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 23.8866, 0.2510, 0.4237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

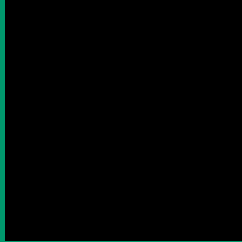
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8866, 0.2510, 0.4237

Background



This preview shows how black text looks on a background with the Yxy color 23.8866, 0.2510, 0.4237.



This preview shows how white text looks on a background with the Yxy color 23.8866, 0.2510, 0.4237.

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

23.8866, 0.2510, 0.4237

Protanopia

23.5348, 0.3610, 0.3859

Deuteranopia

23.4485, 0.3581, 0.3506



Tritanopia

24.0744, 0.2297, 0.3062

Trichromacy



Original Color

23.8866, 0.2510, 0.4237



Protanomaly

21.9596, 0.2971, 0.4043



Deuteranomaly

21.6250, 0.2937, 0.3768



Tritanomaly

23.7251, 0.2347, 0.3448

Monochromacy



Original Color

23.8866, 0.2510, 0.4237



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

15.8185, 0.2678, 0.3662

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8866, 0.2510, 0.4237 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 109) }
```

Border

The CSS property to change the border of an element to Yxy 23.8866, 0.2510, 0.4237 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, 109) }
```

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

```
.border{ border-color:rgb(0, 153, 109) }
```

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, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8866, 0.2510, 0.4237 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, 109) }
```

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

```
.background{ background-color: rgb(0, 153,  
109) }
```

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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