

Converting Colors

$Yxy(23.7626, 0.2549, 0.4376)$

Have a look what the booklet for
Yxy(23.7626, 0.2549, 0.4376)
contains.

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Color

Yxy(23.7617, 0.2549, 0.4377)

Conversions

Conversions Part 1

Format	Color
Hex	009967
RGB	0, 153, 103
RGB Percent	0%, 60%, 40%
CMY	1.0000, 0.4000, 0.5961
CMYK	1.00, 0.00, 0.33, 0.40
HSL	160°, 100%, 30%
HSV	160°, 100%, 60%
XYZ	13.8379, 23.7617, 16.6880
YIQ	101.5530, -75.1380, -47.9860

Conversions

Conversions Part 2

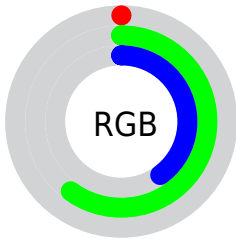
Format	Color
RYB	0, 91, 153
Decimal	39271
CIELab	55.85, -46.66, 16.85
CIELCh	56, 49.604, 160.148
Yxy	23.7617, 0.2549, 0.4377
Android (android.graphics.Color)	4278229351 (0xFF009967)
YUV	101.5530, 0.7134, -89.0620
Hunter-Lab	48.7460, -34.6332, 13.8244

Details

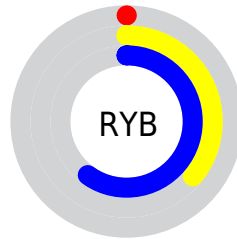
The Yxy color **23.7617, 0.2549, 0.4377** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.0032, 0.5629, 0.2874**, and the grayscale version is **13.1780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4711, 0.2689, 0.4115**, and **9.5929, 0.2648, 0.4732** is the 20% darker color. If you saturate the color by 10%, you get **23.7635, 0.2549, 0.4377**, and if you desaturate by 10%, it is **23.9710, 0.2539, 0.4255**.

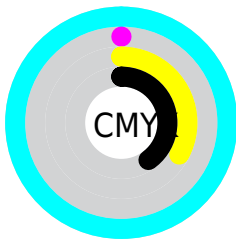
Distribution



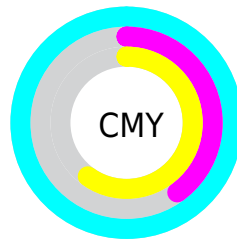
- Red (0%)
- Green (60%)
- Blue (40%)



- Red (0%)
- Yellow (36%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7617, 0.2549, 0.4377 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 23.7617, 0.2549, 0.4377 by changing the saturation by 10% instead.


 23.7617, 0.2549,
0.4377


 23.7617, 0.2549,
0.4377

271.6135, 0.2886,
0.3738


 15.1569, 0.2444,
0.4579


 49.6410, 0.2686,
0.4116


 8.9296, 0.2294,
0.4871

 67.6844, 0.2732,
0.4027

 4.6953, 0.2062,
0.5326

 89.6428, 0.2770,
0.3956

 2.0696, 0.1587,
0.6213

 115.9006, 0.2802,
0.3897

 0.6475, 0.0000,
1.0000

 146.8421, 0.2828,
0.3847

 0.0000, 0.0000,
0.0000

 182.8519, 0.2850,

0.3805

224.3142, 0.2870,
0.3769

■ 23.7617, 0.2549,
0.4377

■ 23.7617, 0.2549,
0.4377

■ 23.7635, 0.2549,
0.4377

■ 23.9710, 0.2539,
0.4255

■ 24.2616, 0.2542,
0.4133

■ 24.6708, 0.2566,
0.4010

■ 25.2129, 0.2607,
0.3889

■ 25.9000, 0.2666,
0.3772

■ 26.7430, 0.2740,
0.3660

■ 27.7516, 0.2826,
0.3556

■ 28.9347, 0.2921,
0.3459

■ 30.3007, 0.3022,
0.3370

Harmonies

Analogous

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



23.7617, 0.3345, 0.4880



23.7617, 0.2549, 0.4377



23.7617, 0.1956, 0.3444

Triad

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



23.7617, 0.2549, 0.4377



23.7617, 0.2073, 0.2007



23.7617, 0.4820, 0.3586

Complementary

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



23.7617, 0.2549, 0.4377



7.0032, 0.5629, 0.2874

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.



23.7617, 0.4403, 0.2986



23.7617, 0.2549, 0.4377



23.7617, 0.2714, 0.2127

Square

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



23.7617, 0.2549, 0.4377



23.7617, 0.1730, 0.2153



23.7617, 0.3580, 0.2473



23.7617, 0.4685, 0.4205

Rectangle

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



23.7617, 0.2549, 0.4377



23.7617, 0.1739, 0.2862



23.7617, 0.3580, 0.2473



23.7617, 0.4742, 0.3381

Sweetspot

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



23.7635, 0.2549, 0.4377



49.5804, 0.2821, 0.3562



23.4881, 0.3181, 0.5856



10.7878, 0.2787, 0.3601



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.



23.7635, 0.2549, 0.4377



42.5191, 0.2556, 0.4400



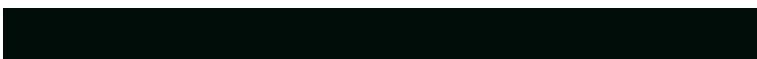
17.6095, 0.2100, 0.2758



6.9922, 0.3030, 0.3364



19.6449, 0.2547, 0.4368



0.3003, 0.2399, 0.3837

Inverse Universe

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



7.0032, 0.5629, 0.2874



12.5102, 0.5678, 0.2901



7.4897, 0.6214, 0.3448



6.2543, 0.3235, 0.3218



5.7932, 0.5610, 0.2864



0.0928, 0.4563, 0.2287

Previews

White Background



This preview shows how the Yxy color 23.7617, 0.2549, 0.4377 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 23.7617, 0.2549, 0.4377 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 23.7617, 0.2549, 0.4377

Background



This preview shows how black text looks on a background with the Yxy color 23.7617, 0.2549, 0.4377.



This preview shows how white text looks on a background with the Yxy color 23.7617, 0.2549, 0.4377.

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

23.7617, 0.2549, 0.4377

Protanopia

23.4228, 0.3676, 0.3962

Deuteranopia

23.4125, 0.3665, 0.3605



Tritanopia

23.7833, 0.2306, 0.3061

Trichromacy



Original Color

23.7617, 0.2549, 0.4377



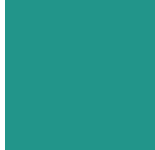
Protanomaly

21.8434, 0.3026, 0.4170



Deuteranomaly

21.5495, 0.3004, 0.3891



Tritanomaly

23.6700, 0.2372, 0.3510

Monochromacy



Original Color

23.7617, 0.2549, 0.4377



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

15.7579, 0.2706, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7617, 0.2549, 0.4377 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 103) }
```

Border

The CSS property to change the border of an element to Yxy 23.7617, 0.2549, 0.4377 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, 103) }
```

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

```
.border{ border-color:rgb(0, 153, 103) }
```

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, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 103);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7617, 0.2549, 0.4377 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, 103) }
```

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

```
.background{ background-color: rgb(0, 153,  
103) }
```

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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