

Converting Colors

$Yxy(23.0828, 0.2478, 0.4493)$

Have a look what the booklet for
Yxy(23.0828, 0.2478, 0.4493)
contains.

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Color

Yxy(23.3573, 0.2571, 0.4454)

Conversions

Conversions Part 1

Format	Color
Hex	009863
RGB	0, 152, 99
RGB Percent	0%, 60%, 39%
CMY	0.9989, 0.4039, 0.6118
CMYK	1.00, 0.00, 0.35, 0.40
HSL	159°, 100%, 30%
HSV	159°, 100%, 60%
XYZ	13.4826, 23.3573, 15.6012
YIQ	100.5100, -73.5790, -48.7070

Conversions

Conversions Part 2

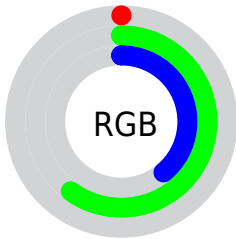
Format	Color
RYB	0, 92, 152
Decimal	39011
CIELab	55.44, -47.16, 18.51
CIELCh	55, 50.664, 158.566
Yxy	23.3573, 0.2571, 0.4454
Android (android.graphics.Color)	4278229091 (0xFF009863)
YUV	100.5100, -0.7444, -88.1473
Hunter-Lab	48.3294, -34.7796, 14.6911

Details

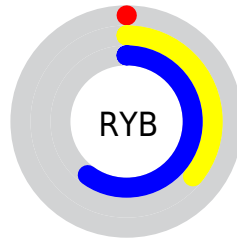
The Yxy color **23.3573, 0.2571, 0.4454** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.9405, 0.5537, 0.2825**, and the grayscale version is **12.9186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8061, 0.2704, 0.4169**, and **9.3623, 0.2679, 0.4845** is the 20% darker color. If you saturate the color by 10%, you get **23.3547, 0.2571, 0.4456**, and if you desaturate by 10%, it is **23.5670, 0.2559, 0.4324**.

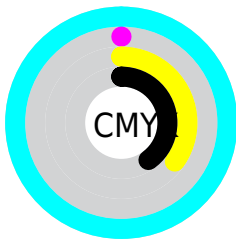
Distribution



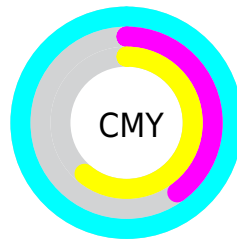
- Red (0%)
- Green (60%)
- Blue (39%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3573, 0.2571, 0.4454 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 23.3573, 0.2571, 0.4454 by changing the saturation by 10% instead.


 23.3573, 0.2571,
0.4454


 23.3573, 0.2571,
0.4454


269.5549, 0.2899,
0.3765


 14.8576, 0.2467,
0.4674


 48.9794, 0.2705,
0.4172


 8.7195, 0.2315,
0.4992


 66.8704, 0.2751,
0.4076


 4.5587, 0.2080,
0.5489

 88.6608, 0.2788,
0.3999


 1.9907, 0.1562,
0.6569

 114.7348, 0.2818,
0.3936

 0.6021, 0.0000,
1.0000

 145.4768, 0.2843,
0.3883

 0.0000, 0.0000,
0.0000

 181.2712, 0.2865,

0.3838

222.5024, 0.2883,
0.3799

■ 23.3573, 0.2571,
0.4454

■ 23.3573, 0.2571,
0.4454

■ 23.3547, 0.2571,
0.4456

■ 23.5670, 0.2559,
0.4324

■ 23.8593, 0.2561,
0.4192

■ 24.2696, 0.2583,
0.4060

■ 24.8117, 0.2623,
0.3930

■ 25.4978, 0.2681,
0.3804

■ 26.3384, 0.2753,
0.3685

■ 27.3431, 0.2836,
0.3573

■ 28.5208, 0.2929,
0.3469

■ 29.8795, 0.3027,
0.3374

Harmonies

Analogous

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



23.3573, 0.3389, 0.4934



23.3573, 0.2571, 0.4454



23.3573, 0.1951, 0.3497

Triad

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



23.3573, 0.2571, 0.4454



23.3573, 0.2023, 0.1979



23.3573, 0.4856, 0.3553

Complementary

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



23.3573, 0.2571, 0.4454



6.9405, 0.5537, 0.2825

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.



23.3573, 0.4401, 0.2946



23.3573, 0.2571, 0.4454



23.3573, 0.2661, 0.2089

Square

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



23.3573, 0.2571, 0.4454



23.3573, 0.1690, 0.2142



23.3573, 0.3542, 0.2430



23.3573, 0.4742, 0.4187

Rectangle

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



23.3573, 0.2571, 0.4454



23.3573, 0.1719, 0.2889



23.3573, 0.3542, 0.2430



23.3573, 0.4767, 0.3345

Sweetspot

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



23.3582, 0.2571, 0.4454



48.1196, 0.2829, 0.3581



23.2233, 0.3198, 0.5841



10.7746, 0.2796, 0.3624



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.



23.3582, 0.2571, 0.4454



41.1902, 0.2578, 0.4481



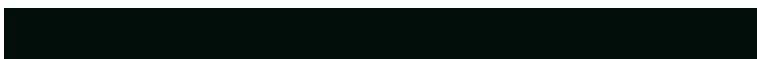
18.0320, 0.2116, 0.2815



6.9899, 0.3033, 0.3369



19.5891, 0.2569, 0.4448



0.2997, 0.2411, 0.3881

Inverse Universe

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



6.9405, 0.5537, 0.2825



12.2073, 0.5590, 0.2853



7.2897, 0.6235, 0.3428



6.2565, 0.3231, 0.3213



5.8189, 0.5524, 0.2817



0.0934, 0.4486, 0.2245

Previews

White Background



This preview shows how the Yxy color 23.3573, 0.2571, 0.4454 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 23.3573, 0.2571, 0.4454 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 23.3573, 0.2571, 0.4454

Background



This preview shows how black text looks on a background with the Yxy color 23.3573, 0.2571, 0.4454.



This preview shows how white text looks on a background with the Yxy color 23.3573, 0.2571, 0.4454.

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

23.3573, 0.2571, 0.4454

Protanopia

23.0804, 0.3726, 0.4014

Deuteranopia

23.0687, 0.3718, 0.3655



Tritanopia

23.4420, 0.2308, 0.3060

Trichromacy



Original Color

23.3573, 0.2571, 0.4454



Protanomaly

21.4797, 0.3063, 0.4238



Deuteranomaly

21.1843, 0.3043, 0.3957



Tritanomaly

23.2975, 0.2379, 0.3532

Monochromacy



Original Color

23.3573, 0.2571, 0.4454



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

15.4430, 0.2713, 0.3764

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3573, 0.2571, 0.4454 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, 152, 99)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 99)  
}
```

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, 152, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 99) }
```

Border

The CSS property to change the border of an element to Yxy 23.3573, 0.2571, 0.4454 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, 152, 99) }
```

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

```
.border{ border-color:rgb(0, 152, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 152, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 99);  
box-shadow:4px 4px 4px 4px rgb(0, 152, 99)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.3573, 0.2571, 0.4454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 99) }
```

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

```
.background{ background-color: rgb(0, 152,  
99) }
```

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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