

Converting Colors

$Yxy(22.3099, 0.2483, 0.6179)$

Have a look what the booklet for
Yxy(22.3099, 0.2483, 0.6179)
contains.

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Color

Yxy(23.8515, 0.2954, 0.5836)

Conversions

Conversions Part 1

Format	Color
Hex	009C1A
RGB	0, 156, 26
RGB Percent	0%, 61%, 10%
CMY	1.0000, 0.3882, 0.8980
CMYK	1.00, 0.00, 0.83, 0.39
HSL	130°, 100%, 31%
HSV	130°, 100%, 61%
XYZ	12.0729, 23.8515, 4.9452
YIQ	94.5360, -51.2460, -73.5020

Conversions

Conversions Part 2

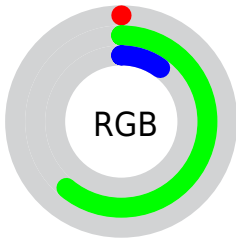
Format	Color
RYB	0, 134, 156
Decimal	39962
CIELab	55.94, -58.74, 52.68
CIELCh	56, 78.900, 138.117
Yxy	23.8515, 0.2954, 0.5836
Android (android.graphics.Color)	4278230042 (0xFF009C1A)
YUV	94.5360, -33.7882, -82.9081
Hunter-Lab	48.8380, -41.3408, 28.1830

Details

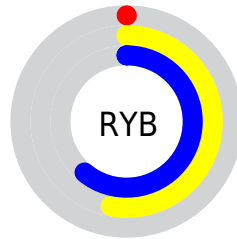
The Yxy color **23.8515, 0.2954, 0.5836** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.6801, 0.3675, 0.1798**, and the grayscale version is **11.4198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8698, 0.3075, 0.5237**, and **9.7005, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **23.8539, 0.2954, 0.5836**, and if you desaturate by 10%, it is **24.0325, 0.2940, 0.5668**.

Distribution



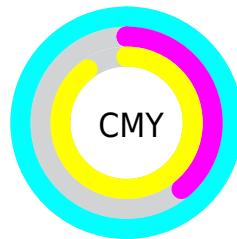
- Red (0%)
- Green (61%)
- Blue (10%)



- Red (0%)
- Yellow (53%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (83%)
- Black (39%)





- Cyan (100%)
- Magenta (39%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8515, 0.2954, 0.5836 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 23.8515, 0.2954, 0.5836 by changing the saturation by 10% instead.


 23.8515, 0.2954,
0.5836


 23.8515, 0.2954,
0.5836


272.0689, 0.3158,
0.4326


 15.2235, 0.2832,
0.6279


 49.7878, 0.3073,
0.5232


 8.9764, 0.2624,
0.6879


 67.8648, 0.3102,
0.5020

 4.7258, 0.2262,
0.7738

 89.8603, 0.3122,
0.4849

 2.0873, 0.1043,
0.8957

 116.1587, 0.3135,
0.4707

 0.6575, 0.0000,
1.0000

 147.1444, 0.3145,
0.4588

 0.0000, 0.0000,
0.0000

 183.2017, 0.3151,

0.4488

224.7150, 0.3155,
0.4401

■ 23.8515, 0.2954,
0.5836

■ 23.8515, 0.2954,
0.5836

■ 23.8539, 0.2954,
0.5836

■ 24.0325, 0.2940,
0.5668

■ 24.3218, 0.2929,
0.5446

■ 24.7607, 0.2930,
0.5179

■ 25.3667, 0.2941,
0.4883

■ 26.1547, 0.2962,
0.4578

■ 27.1378, 0.2989,
0.4278

■ 28.3281, 0.3022,
0.3994

■ 29.7366, 0.3056,
0.3733

■ 31.3735, 0.3092,
0.3498

Harmonies

Analogous

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



23.8515, 0.4102, 0.5526



23.8515, 0.2954, 0.5836



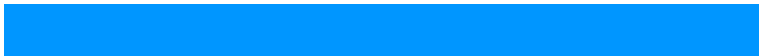
23.8515, 0.1902, 0.4723

Triad

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



23.8515, 0.2954, 0.5836



23.8515, 0.1252, 0.1548



23.8515, 0.5382, 0.2957

Complementary

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



23.8515, 0.2954, 0.5836



8.6801, 0.3675, 0.1798

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.



23.8515, 0.4183, 0.2259



23.8515, 0.2954, 0.5836



23.8515, 0.1785, 0.1494

Square

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



23.8515, 0.2954, 0.5836



23.8515, 0.1081, 0.1989



23.8515, 0.2783, 0.1740



23.8515, 0.5677, 0.3730

Rectangle

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



23.8515, 0.2954, 0.5836



23.8515, 0.1418, 0.3562



23.8515, 0.2783, 0.1740



23.8515, 0.5059, 0.2713

Sweetspot

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



23.8539, 0.2954, 0.5836



51.3076, 0.3020, 0.4010



28.5256, 0.3906, 0.5281



11.0963, 0.3007, 0.4119



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



23.8539, 0.2954, 0.5836



43.3013, 0.2961, 0.5859



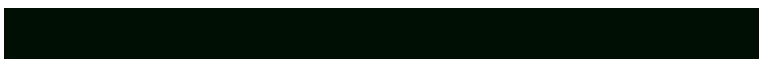
24.7789, 0.2556, 0.4402



7.4182, 0.3095, 0.3482



19.6501, 0.2952, 0.5826



0.3558, 0.2794, 0.5257

Inverse Universe

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



8.6801, 0.3675, 0.1798



15.7390, 0.3685, 0.1804



7.3166, 0.5608, 0.2863



6.7356, 0.3161, 0.3106



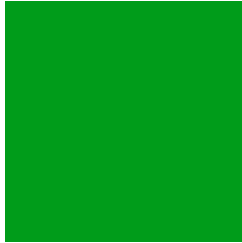
7.1534, 0.3671, 0.1796



0.1325, 0.3460, 0.1679

Previews

White Background



This preview shows how the Yxy color 23.8515, 0.2954, 0.5836 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 23.8515, 0.2954, 0.5836 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 23.8515, 0.2954, 0.5836

Background



This preview shows how black text looks on a background with the Yxy color 23.8515, 0.2954, 0.5836.



This preview shows how white text looks on a background with the Yxy color 23.8515, 0.2954, 0.5836.

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

23.8515, 0.2954, 0.5836

Protanopia

23.5847, 0.4341, 0.4822

Deuteranopia

23.5614, 0.4519, 0.4447



Tritanopia

23.8089, 0.2366, 0.3063

Trichromacy



Original Color

23.8515, 0.2954, 0.5836



Protanomaly

21.8368, 0.3582, 0.5381



Deuteranomaly

21.3685, 0.3681, 0.5124



Tritanomaly

23.0704, 0.2591, 0.4145

Monochromacy



Original Color

23.8515, 0.2954, 0.5836



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

14.1254, 0.2963, 0.4486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8515, 0.2954, 0.5836 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, 156, 26)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 26)  
}
```

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, 156, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 26) }
```

Border

The CSS property to change the border of an element to Yxy 23.8515, 0.2954, 0.5836 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, 156, 26) }
```

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

```
.border{ border-color:rgb(0, 156, 26) }
```

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

Here you see how a box with a 4 pixel rgb(0, 156, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 26);  
box-shadow:4px 4px 4px 4px rgb(0, 156, 26)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.8515, 0.2954, 0.5836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 26) }
```

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

```
.background{ background-color: rgb(0, 156,  
26) }
```

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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