

Converting Colors

$Y_{xy}(23.0440, 0.2947, 0.5808)$

Have a look what the booklet for
Yxy(23.0440, 0.2947, 0.5808)
contains.

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Color

Yxy(23.1950, 0.2948, 0.5811)

Conversions

Conversions Part 1

Format	Color
Hex	009A1C
RGB	0, 154, 28
RGB Percent	0%, 60%, 11%
CMY	0.9990, 0.3961, 0.8903
CMYK	1.00, 0.00, 0.82, 0.40
HSL	131°, 100%, 30%
HSV	131°, 100%, 60%
XYZ	11.7671, 23.1950, 4.9535
YIQ	93.5900, -51.3380, -71.8340

Conversions

Conversions Part 2

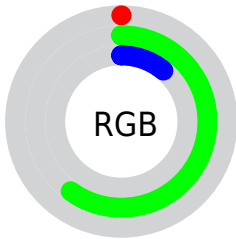
Format	Color
RYB	0, 130, 154
Decimal	39452
CIELab	55.27, -58.01, 51.49
CIELCh	55, 77.563, 138.409
Yxy	23.1950, 0.2948, 0.5811
Android (android.graphics.Color)	4278229532 (0xFF009A1C)
YUV	93.5900, -32.3359, -82.0784
Hunter-Lab	48.1612, -40.6695, 27.6147

Details

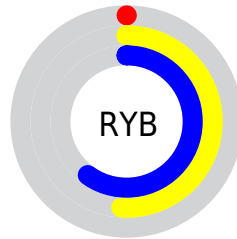
The Yxy color **23.1950, 0.2948, 0.5811** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.3885, 0.3716, 0.1822**, and the grayscale version is **11.1956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8416, 0.3067, 0.5214**, and **9.3074, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **23.1934, 0.2948, 0.5813**, and if you desaturate by 10%, it is **23.3750, 0.2932, 0.5637**.

Distribution



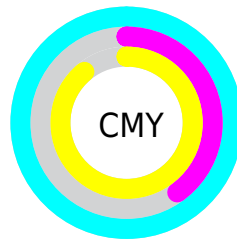
- Red (0%)
- Green (60%)
- Blue (11%)



- Red (0%)
- Yellow (51%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (82%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1950, 0.2948, 0.5811 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 23.1950, 0.2948, 0.5811 by changing the saturation by 10% instead.


 23.1950, 0.2948,
0.5811


 23.1950, 0.2948,
0.5811

268.7250, 0.3153,
0.4309


 14.7376, 0.2826,
0.6256


 48.7133, 0.3067,
0.5207


 8.6354, 0.2617,
0.6864


 66.5430, 0.3096,
0.4996


 4.5041, 0.2254,
0.7746

 88.2655, 0.3116,
0.4826

 1.9594, 0.0888,
0.9112

 114.2653, 0.3129,
0.4686

 0.5837, 0.0000,
1.0000

 144.9268, 0.3139,
0.4568

 0.0000, 0.0000,
0.0000

 180.6343, 0.3145,

0.4468

221.7722, 0.3150,
0.4383

■ 23.1950, 0.2948,
0.5811

■ 23.1950, 0.2948,
0.5811

■ 23.1934, 0.2948,
0.5813

■ 23.3750, 0.2932,
0.5637

■ 23.6617, 0.2921,
0.5412

■ 24.0933, 0.2921,
0.5144

■ 24.6865, 0.2933,
0.4852

■ 25.4554, 0.2954,
0.4550

■ 26.4128, 0.2983,
0.4255

■ 27.5702, 0.3017,
0.3977

■ 28.9381, 0.3053,
0.3721

■ 30.5264, 0.3091,
0.3491

Harmonies

Analogous

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



23.1950, 0.4090, 0.5522



23.1950, 0.2948, 0.5811



23.1950, 0.1903, 0.4694

Triad

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



23.1950, 0.2948, 0.5811



23.1950, 0.1265, 0.1556



23.1950, 0.5373, 0.2968

Complementary

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



23.1950, 0.2948, 0.5811



8.3885, 0.3716, 0.1822

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.



23.1950, 0.4190, 0.2272



23.1950, 0.2948, 0.5811



23.1950, 0.1800, 0.1504

Square

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



23.1950, 0.2948, 0.5811



23.1950, 0.1092, 0.1991



23.1950, 0.2798, 0.1752



23.1950, 0.5660, 0.3741

Rectangle

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



23.1950, 0.2948, 0.5811



23.1950, 0.1423, 0.3546



23.1950, 0.2798, 0.1752



23.1950, 0.5056, 0.2725

Sweetspot

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



23.1960, 0.2948, 0.5811



49.9117, 0.3014, 0.3997



27.7293, 0.3906, 0.5280



11.1027, 0.3001, 0.4105



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.



23.1960, 0.2948, 0.5811



42.1128, 0.2955, 0.5839



24.0864, 0.2556, 0.4399



6.9429, 0.3093, 0.3477



18.9008, 0.2945, 0.5803



0.2865, 0.2772, 0.5180

Inverse Universe

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



8.3885, 0.3716, 0.1822



15.2009, 0.3729, 0.1828



7.1186, 0.5601, 0.2861



6.3045, 0.3163, 0.3110



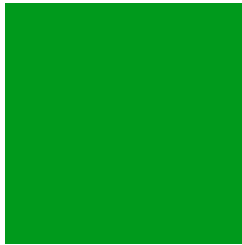
6.8340, 0.3713, 0.1819



0.1066, 0.3456, 0.1678

Previews

White Background



This preview shows how the Yxy color 23.1950, 0.2948, 0.5811 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 23.1950, 0.2948, 0.5811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

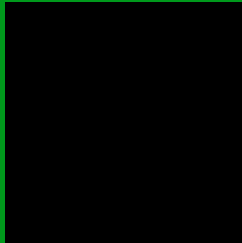
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1950, 0.2948, 0.5811

Background



This preview shows how black text looks on a background with the Yxy color 23.1950, 0.2948, 0.5811.



This preview shows how white text looks on a background with the Yxy color 23.1950, 0.2948, 0.5811.

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

23.1950, 0.2948, 0.5811

Protanopia

22.8564, 0.4334, 0.4807

Deuteranopia

22.8410, 0.4513, 0.4427



Tritanopia

23.1015, 0.2365, 0.3060

Trichromacy



Original Color

23.1950, 0.2948, 0.5811



Protanomaly

21.2018, 0.3578, 0.5358



Deuteranomaly

20.7515, 0.3673, 0.5089



Tritanomaly

22.4430, 0.2584, 0.4110

Monochromacy



Original Color

23.1950, 0.2948, 0.5811



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

13.8936, 0.2963, 0.4468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1950, 0.2948, 0.5811 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, 154, 28)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 28)  
}
```

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, 154, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 28) }
```

Border

The CSS property to change the border of an element to Yxy 23.1950, 0.2948, 0.5811 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, 154, 28) }
```

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

```
.border{ border-color:rgb(0, 154, 28) }
```

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

Here you see how a box with a 4 pixel rgb(0, 154, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 28);  
box-shadow:4px 4px 4px 4px rgb(0, 154, 28)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.1950, 0.2948, 0.5811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 28) }
```

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

```
.background{ background-color: rgb(0, 154,  
28) }
```

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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