

Converting Colors

$Y_{xy}(19.1154, 0.2851, 0.5916)$

Have a look what the booklet for
Yxy(19.1154, 0.2851, 0.5916)
contains.

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Color

Yxy(19.4039, 0.2956, 0.5843)

Conversions

Conversions Part 1

Format	Color
Hex	008E16
RGB	0, 142, 22
RGB Percent	0%, 56%, 9%
CMY	1.0000, 0.4431, 0.9136
CMYK	1.00, 0.00, 0.84, 0.44
HSL	129°, 100%, 28%
HSV	129°, 100%, 56%
XYZ	9.8165, 19.4039, 3.9884
YIQ	85.8620, -46.1120, -67.4240

Conversions

Conversions Part 2

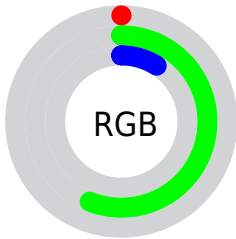
Format	Color
RYB	0, 123, 142
Decimal	36374
CIELab	51.16, -54.88, 49.37
CIELCh	51, 73.814, 138.027
Yxy	19.4039, 0.2956, 0.5843
Android (android.graphics.Color)	4278226454 (0xFF008E16)
YUV	85.8620, -31.4840, -75.3010
Hunter-Lab	44.0499, -37.3085, 25.4666

Details

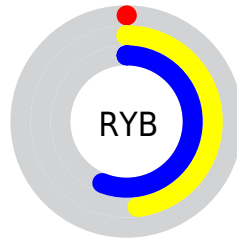
The Yxy color **19.4039, 0.2956, 0.5843** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.1067, 0.3635, 0.1776**, and the grayscale version is **9.3522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4139, 0.3075, 0.5199**, and **7.3123, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.4057, 0.2956, 0.5843**, and if you desaturate by 10%, it is **19.5583, 0.2945, 0.5675**.

Distribution



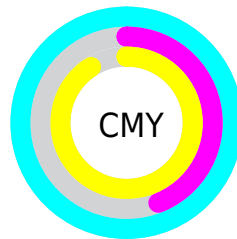
- Red (0%)
- Green (56%)
- Blue (9%)



- Red (0%)
- Yellow (48%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (84%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4039, 0.2956, 0.5843 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 19.4039, 0.2956, 0.5843 by changing the saturation by 10% instead.


 19.4039, 0.2956,
0.5843


 19.4039, 0.2956,
0.5843


248.6695, 0.3162,
0.4286


 11.9625, 0.2822,
0.6323


 42.4155, 0.3080,
0.5204


 6.7181, 0.2613,
0.7067


 58.7545, 0.3109,
0.4986


 3.2865, 0.2126,
0.7874

 78.8281, 0.3128,
0.4810

 1.2831, 0.0000,
1.0000

 103.0207, 0.3141,
0.4667


 0.1280, 0.0000,
1.0000


 131.7168, 0.3149,
0.4547


 0.0000, 0.0000,
0.0000


 165.3007, 0.3155,


0.4446

 204.1568, 0.3159,
0.4360


 19.4039, 0.2956,
0.5843


 19.4039, 0.2956,
0.5843


 19.4057, 0.2956,
0.5843

 19.5583, 0.2945,
0.5675

 19.7977, 0.2936,
0.5454

 20.1584, 0.2937,
0.5186

 20.6542, 0.2949,
0.4890

 21.2969, 0.2969,
0.4584

■ 22.0970, 0.2996,
0.4282

■ 23.0640, 0.3027,
0.3997

■ 24.2069, 0.3060,
0.3735

■ 25.5337, 0.3094,
0.3499

Harmonies

Analogous

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



19.4039, 0.4105, 0.5527



19.4039, 0.2956, 0.5843



19.4039, 0.1902, 0.4732

Triad

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



19.4039, 0.2956, 0.5843



19.4039, 0.1248, 0.1546



19.4039, 0.5384, 0.2953

Complementary

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



19.4039, 0.2956, 0.5843



7.1067, 0.3635, 0.1776

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.



19.4039, 0.4181, 0.2255



19.4039, 0.2956, 0.5843



19.4039, 0.1780, 0.1491

Square

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



19.4039, 0.2956, 0.5843



19.4039, 0.1079, 0.1988



19.4039, 0.2778, 0.1736



19.4039, 0.5682, 0.3727

Rectangle

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



19.4039, 0.2956, 0.5843



19.4039, 0.1416, 0.3567



19.4039, 0.2778, 0.1736



19.4039, 0.5060, 0.2709

Sweetspot

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



19.4057, 0.2956, 0.5843



40.5527, 0.3025, 0.4014



23.3913, 0.3936, 0.5256



8.9107, 0.3013, 0.4118



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



19.4057, 0.2956, 0.5843



34.2012, 0.2963, 0.5867



20.1257, 0.2570, 0.4451



6.0422, 0.3097, 0.3481



17.4239, 0.2955, 0.5837



0.1687, 0.2797, 0.5269

Inverse Universe

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



7.1067, 0.3635, 0.1776



12.5114, 0.3645, 0.1781



5.9790, 0.5525, 0.2817



5.4968, 0.3159, 0.3106



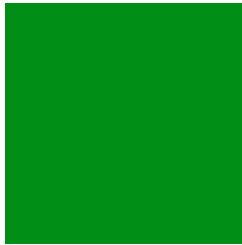
6.3824, 0.3632, 0.1775



0.0635, 0.3401, 0.1647

Previews

White Background



This preview shows how the Yxy color 19.4039, 0.2956, 0.5843 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 19.4039, 0.2956, 0.5843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

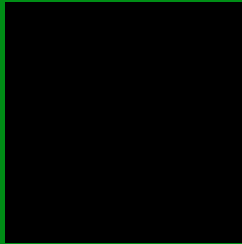
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4039, 0.2956, 0.5843

Background



This preview shows how black text looks on a background with the Yxy color 19.4039, 0.2956, 0.5843.



This preview shows how white text looks on a background with the Yxy color 19.4039, 0.2956, 0.5843.

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

19.4039, 0.2956, 0.5843

Protanopia

19.2748, 0.4349, 0.4826

Deuteranopia

19.0704, 0.4526, 0.4446



Tritanopia

19.4155, 0.2369, 0.3064

Trichromacy



Original Color

19.4039, 0.2956, 0.5843



Protanomaly

17.7704, 0.3599, 0.5379



Deuteranomaly

17.3129, 0.3696, 0.5109



Tritanomaly

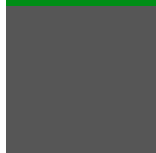
18.9212, 0.2599, 0.4149

Monochromacy



Original Color

19.4039, 0.2956, 0.5843



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

11.4792, 0.2977, 0.4480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4039, 0.2956, 0.5843 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, 142, 22)` looks like.

```
.text, #text, p{  
  color:rgb(0, 142, 22)  
}
```

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, 142, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 22) }
```

Border

The CSS property to change the border of an element to Yxy 19.4039, 0.2956, 0.5843 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, 142, 22) }
```

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

```
.border{ border-color:rgb(0, 142, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 142, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 22);  
box-shadow:4px 4px 4px 4px rgb(0, 142, 22)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.4039, 0.2956, 0.5843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 22) }
```

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

```
.background{ background-color: rgb(0, 142,  
22) }
```

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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