

Converting Colors

$Y_{xy}(19.0627, 0.2955, 0.5838)$

Have a look what the booklet for
Yxy(19.0627, 0.2955, 0.5838)
contains.

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Color

$\text{Yxy}(19.1077, 0.2956, 0.5841)$

Conversions

Conversions Part 1

Format	Color
Hex	008D16
RGB	0, 141, 22
RGB Percent	0%, 55%, 9%
CMY	0.9997, 0.4471, 0.9139
CMYK	1.00, 0.00, 0.84, 0.45
HSL	129°, 100%, 28%
HSV	129°, 100%, 55%
XYZ	9.6700, 19.1077, 3.9354
YIQ	85.2750, -45.8370, -66.9010

Conversions

Conversions Part 2

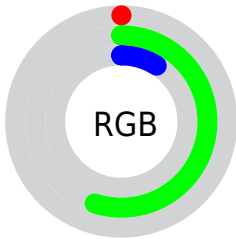
Format	Color
RYB	0, 122, 141
Decimal	36118
CIELab	50.81, -54.57, 49.07
CIELCh	51, 73.387, 138.038
Yxy	19.1077, 0.2956, 0.5841
Android (android.graphics.Color)	4278226198 (0xFF008D16)
YUV	85.2750, -31.1946, -74.7862
Hunter-Lab	43.7124, -37.0091, 25.2608

Details

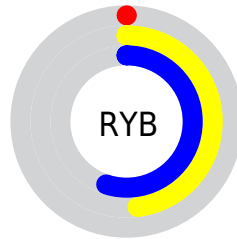
The Yxy color **19.1077, 0.2956, 0.5841** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.9987, 0.3635, 0.1776**, and the grayscale version is **9.2228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9470, 0.3081, 0.5205**, and **7.1448, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.1078, 0.2956, 0.5842**, and if you desaturate by 10%, it is **19.2597, 0.2944, 0.5673**.

Distribution



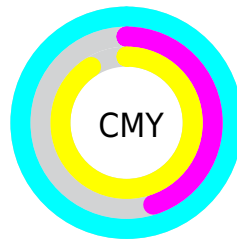
- Red (0%)
- Green (55%)
- Blue (9%)



- Red (0%)
- Yellow (48%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (84%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1077, 0.2956, 0.5841 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 19.1077, 0.2956, 0.5841 by changing the saturation by 10% instead.


 19.1077, 0.2956,
0.5841


 19.1077, 0.2956,
0.5841


247.0427, 0.3162,
0.4282


 11.7481, 0.2821,
0.6323


 41.9160, 0.3080,
0.5200


 6.5724, 0.2613,
0.7081


 58.1335, 0.3110,
0.4981

 3.1962, 0.2116,
0.7884

 78.0725, 0.3129,
0.4806

 1.2350, 0.0000,
1.0000

 102.1173, 0.3141,
0.4662


 0.0900, 0.0000,
1.0000


 130.6523, 0.3149,
0.4543


 0.0000, 0.0000,
0.0000


 164.0619, 0.3155,

0.4442


 202.7306, 0.3159,
0.4356


 19.1077, 0.2956,
0.5841


 19.1077, 0.2956,
0.5841


 19.1078, 0.2956,
0.5842

 19.2597, 0.2944,
0.5673

 19.4965, 0.2936,
0.5451

 19.8526, 0.2937,
0.5183

 20.3417, 0.2949,
0.4887

 20.9753, 0.2969,
0.4581

■ 21.7638, 0.2996,
0.4280

■ 22.7165, 0.3027,
0.3995

■ 23.8422, 0.3060,
0.3733

■ 25.1487, 0.3094,
0.3498

Harmonies

Analogous

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



19.1077, 0.4105, 0.5526



19.1077, 0.2956, 0.5841



19.1077, 0.1902, 0.4730

Triad

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



19.1077, 0.2956, 0.5841



19.1077, 0.1249, 0.1547



19.1077, 0.5383, 0.2954

Complementary

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



19.1077, 0.2956, 0.5841



6.9987, 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.



19.1077, 0.4181, 0.2256



19.1077, 0.2956, 0.5841



19.1077, 0.1781, 0.1492

Square

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



19.1077, 0.2956, 0.5841



19.1077, 0.1079, 0.1989



19.1077, 0.2779, 0.1737



19.1077, 0.5680, 0.3728

Rectangle

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



19.1077, 0.2956, 0.5841



19.1077, 0.1417, 0.3567



19.1077, 0.2779, 0.1737



19.1077, 0.5059, 0.2710

Sweetspot

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



19.1085, 0.2956, 0.5841



40.5530, 0.3025, 0.4014



23.0336, 0.3937, 0.5256



8.9108, 0.3013, 0.4117



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.



19.1085, 0.2956, 0.5841



34.2014, 0.2963, 0.5867



19.8177, 0.2570, 0.4450



6.0422, 0.3097, 0.3481



17.4240, 0.2955, 0.5837



0.1687, 0.2797, 0.5268

Inverse Universe

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



6.9987, 0.3635, 0.1776



12.5101, 0.3645, 0.1782



5.8894, 0.5521, 0.2816



5.4968, 0.3159, 0.3106



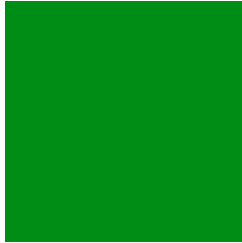
6.3817, 0.3633, 0.1775



0.0635, 0.3402, 0.1648

Previews

White Background



This preview shows how the Yxy color 19.1077, 0.2956, 0.5841 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 19.1077, 0.2956, 0.5841 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 19.1077, 0.2956, 0.5841

Background



This preview shows how black text looks on a background with the Yxy color 19.1077, 0.2956, 0.5841.



This preview shows how white text looks on a background with the Yxy color 19.1077, 0.2956, 0.5841.

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

19.1077, 0.2956, 0.5841

Protanopia

18.9464, 0.4350, 0.4824

Deuteranopia

18.7475, 0.4527, 0.4440



Tritanopia

19.1154, 0.2371, 0.3062

Trichromacy



Original Color

19.1077, 0.2956, 0.5841



Protanomaly

17.5083, 0.3607, 0.5371



Deuteranomaly

17.0064, 0.3691, 0.5107



Tritanomaly

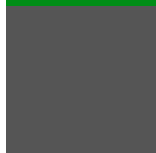
18.6219, 0.2603, 0.4154

Monochromacy



Original Color

19.1077, 0.2956, 0.5841



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

11.2352, 0.2976, 0.4492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1077, 0.2956, 0.5841 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, 141, 22)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 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, 141, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 22) }
```

Border

The CSS property to change the border of an element to Yxy 19.1077, 0.2956, 0.5841 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, 141, 22) }
```

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

```
.border{ border-color:rgb(0, 141, 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, 141, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 22);  
box-shadow:4px 4px 4px 4px rgb(0, 141, 22)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.1077, 0.2956, 0.5841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 141, 22) }
```

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

```
.background{ background-color: rgb(0, 141,  
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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