

Converting Colors

$Y_{xy}(18.1694, 0.3027, 0.5979)$

Have a look what the booklet for
Yxy(18.1694, 0.3027, 0.5979)
contains.

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Color

Yxy(18.2551, 0.3026, 0.5979)

Conversions

Conversions Part 1

Format	Color
Hex	0C8A00
RGB	12, 138, 0
RGB Percent	5%, 54%, 0%
CMY	0.9534, 0.4588, 0.9998
CMYK	0.91, 0.00, 1.00, 0.46
HSL	115°, 100%, 27%
HSV	115°, 100%, 54%
XYZ	9.2390, 18.2551, 3.0379
YIQ	84.5940, -30.7980, -69.6300

Conversions

Conversions Part 2

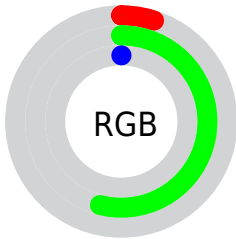
Format	Color
RYB	0, 138, 126
Decimal	821760
CIELab	49.80, -53.74, 52.80
CIElCh	50, 75.336, 135.509
Yxy	18.2551, 0.3026, 0.5979
Android (android.graphics.Color)	4279011840 (0xFF0C8A00)
YUV	84.5940, -41.7048, -63.6649
Hunter-Lab	42.7260, -36.1720, 25.6925

Details

The Yxy color **18.2551, 0.3026, 0.5979** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6.2861, 0.3000, 0.1426**, and the grayscale version is **9.0823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6080, 0.3151, 0.5315**, and **6.6556, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.2554, 0.3026, 0.5979**, and if you desaturate by 10%, it is **18.4101, 0.3041, 0.5858**.

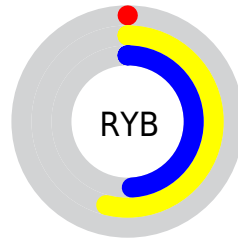
Distribution



Red (5%)

Green (54%)

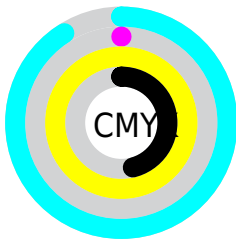
Blue (0%)



Red (0%)

Yellow (54%)

Blue (49%)

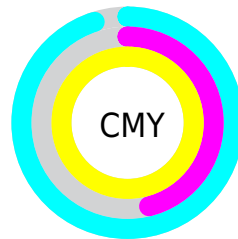


Cyan (91%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (95%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2551, 0.3026, 0.5979 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 18.2551, 0.3026, 0.5979 by changing the saturation by 10% instead.


 18.2551, 0.3026,
0.5979


 18.2551, 0.3026,
0.5979


242.3050, 0.3211,
0.4339


 11.1333, 0.2881,
0.6472


 40.4715, 0.3151,
0.5311

 6.1566, 0.2682,
0.7318

 56.3349, 0.3178,
0.5080

 2.9405, 0.2079,
0.7921

 75.8810, 0.3194,
0.4894

 1.1008, 0.0000,
1.0000

 99.4941, 0.3203,
0.4742


 0.0000, 0.0000,
0.0000


 127.5587, 0.3208,
0.4616


 160.4591, 0.3210,


0.4509


 198.5797, 0.3211,
0.4418


 18.2551, 0.3026,
0.5979

 18.2551, 0.3026,
0.5979


 18.2554, 0.3026,
0.5979

 18.4101, 0.3041,
0.5858

 18.6561, 0.3061,
0.5676

 19.0130, 0.3081,
0.5424

 19.4922, 0.3098,
0.5120

 20.1033, 0.3111,
0.4787

■ 20.8552, 0.3120,
0.4447

■ 21.7560, 0.3125,
0.4119

■ 22.8130, 0.3128,
0.3813

■ 24.0333, 0.3129,
0.3536

Harmonies

Analogous

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



18.2551, 0.4203, 0.5516



18.2551, 0.3026, 0.5979



18.2551, 0.1928, 0.4948

Triad

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



18.2551, 0.3026, 0.5979



18.2551, 0.1171, 0.1515



18.2551, 0.5397, 0.2866

Complementary

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



18.2551, 0.3026, 0.5979



6.2861, 0.3000, 0.1426

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.



18.2551, 0.4092, 0.2167



18.2551, 0.3026, 0.5979



18.2551, 0.1676, 0.1435

Square

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



18.2551, 0.3026, 0.5979



18.2551, 0.1025, 0.2001



18.2551, 0.2655, 0.1660



18.2551, 0.5779, 0.3643

Rectangle

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



18.2551, 0.3026, 0.5979



18.2551, 0.1407, 0.3719



18.2551, 0.2655, 0.1660



18.2551, 0.5036, 0.2621

Sweetspot

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



18.2559, 0.3026, 0.5979



38.2289, 0.3125, 0.4141



19.8719, 0.4375, 0.4908



8.4398, 0.3123, 0.4258



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.2559, 0.3026, 0.5979



32.1442, 0.3020, 0.5984



18.4569, 0.2801, 0.5284



5.6274, 0.3128, 0.3515



16.7394, 0.3027, 0.5978



0.1135, 0.3151, 0.5880

Inverse Universe

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



6.2861, 0.3000, 0.1426



11.0428, 0.2995, 0.1424



6.0268, 0.4501, 0.2254



5.1076, 0.3125, 0.3074



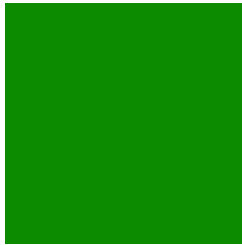
5.7646, 0.3001, 0.1427



0.0413, 0.3111, 0.1487

Previews

White Background



This preview shows how the Yxy color 18.2551, 0.3026, 0.5979 looks on a white 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

Black Background



This preview shows how the Yxy color 18.2551, 0.3026, 0.5979 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 18.2551, 0.3026, 0.5979

Background



This preview shows how black text looks on a background with the Yxy color 18.2551, 0.3026, 0.5979.



This preview shows how white text looks on a background with the Yxy color 18.2551, 0.3026, 0.5979.

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

18.2551, 0.3026, 0.5979

Protanopia

17.9434, 0.4400, 0.4888

Deuteranopia

17.9780, 0.4565, 0.4499



Tritanopia

18.2322, 0.2379, 0.3058

Trichromacy



Original Color

18.2551, 0.3026, 0.5979



Protanomaly

16.7911, 0.3709, 0.5437



Deuteranomaly

16.3184, 0.3814, 0.5190



Tritanomaly

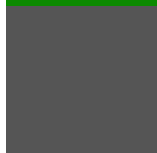
17.6993, 0.2692, 0.4345

Monochromacy



Original Color

18.2551, 0.3026, 0.5979



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

11.0665, 0.3110, 0.4676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2551, 0.3026, 0.5979 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(12, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(12, 138, 0)  
}
```

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(12, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 138, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.2551, 0.3026, 0.5979 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(12, 138, 0) }
```

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

```
.border{ border-color:rgb(12, 138, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 138, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(12, 138, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.2551, 0.3026, 0.5979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 138, 0) }
```

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

```
.background{ background-color: rgb(12, 138,  
0) }
```

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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