

# Converting Colors

$Yxy(18.9188, 0.3006, 0.5856)$

Have a look what the booklet for  
Yxy(18.9188, 0.3006, 0.5856)  
contains.

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**Color**

**Yxy(18.9158, 0.3007, 0.5857)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	118C11
RGB	17, 140, 17
RGB Percent	7%, 55%, 7%
CMY	0.9330, 0.4510, 0.9334
CMYK	0.88, 0.00, 0.88, 0.45
HSL	120°, 78%, 31%
HSV	120°, 88%, 55%
XYZ	9.7114, 18.9158, 3.6688
YIQ	89.2010, -33.8250, -64.3290

# Conversions

## Conversions Part 2

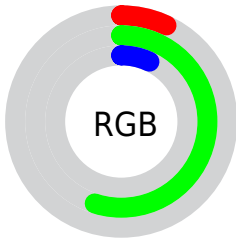
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	17, 140, 140
Decimal	1149969
CIE <sub>Lab</sub>	50.59, -53.27, 50.21
CIE <sub>LCh</sub>	51, 73.203, 136.694
Yxy	18.9158, 0.3007, 0.5857
Android (android.graphics.Color)	4279340049 (0xFF118C11)
YUV	89.2010, -35.5951, -63.3203
Hunter-Lab	43.4923, -36.2541, 25.4431

# Details

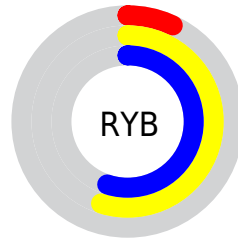
The Yxy color **18.9158, 0.3007, 0.5857** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **7.8612, 0.3205, 0.1601**, and the grayscale version is **10.1287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6983, 0.3126, 0.5220**, and **6.9794, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.7827, 0.3001, 0.5976**, and if you desaturate by 10%, it is **19.1475, 0.3016, 0.5666**.

# Distribution



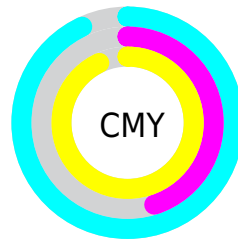
- Red (7%)
- Green (55%)
- Blue (7%)



- Red (7%)
- Yellow (55%)
- Blue (55%)



- Cyan (88%)
- Magenta (0%)
- Yellow (88%)
- Black (45%)




- Cyan (93%)
- Magenta (45%)
- Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9158, 0.3007, 0.5857 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 18.9158, 0.3007, 0.5857 by changing the saturation by 10% instead.





 18.9158, 0.3007,  
0.5857


 18.9158, 0.3007,  
0.5857


245.9835, 0.3188,  
0.4292


 11.6095, 0.2875,  
0.6336


 41.5918, 0.3124,  
0.5216

 6.4783, 0.2685,  
0.7121


 57.7302, 0.3149,  
0.4997


 3.1381, 0.2163,  
0.7837

 77.5814, 0.3165,  
0.4820

 1.2042, 0.0000,  
1.0000

 101.5298, 0.3175,  
0.4675


 0.0652, 0.0000,  
1.0000


 129.9599, 0.3181,  
0.4555


 0.0000, 0.0000,  
0.0000

 163.2559, 0.3185,


0.4453


 201.8023, 0.3187,  
0.4367

 18.9158, 0.3007,  
0.5857


 18.9158, 0.3007,  
0.5857


 18.7827, 0.3001,  
0.5976

 19.1475, 0.3016,  
0.5666

 18.7569, 0.3000,  
0.6000

 19.5049, 0.3029,  
0.5401

 20.0032, 0.3043,  
0.5084

 20.6552, 0.3060,  
0.4740

 21.4718, 0.3076,  
0.4394

■ 22.4634, 0.3091,  
0.4062

■ 23.6392, 0.3105,  
0.3756

■ 25.0078, 0.3118,  
0.3482

■ 26.5775, 0.3129,  
0.3241

# Harmonies

## Analogous

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



18.9158, 0.4155, 0.5492



18.9158, 0.3007, 0.5857



18.9158, 0.1941, 0.4807

# Triad

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



18.9158, 0.3007, 0.5857



18.9158, 0.1234, 0.1556



18.9158, 0.5347, 0.2920

# Complementary

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



18.9158, 0.3007, 0.5857



7.8612, 0.3205, 0.1601

# 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.



18.9158, 0.4116, 0.2227



18.9158, 0.3007, 0.5857



18.9158, 0.1747, 0.1487

# Square

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



18.9158, 0.3007, 0.5857



18.9158, 0.1078, 0.2020



18.9158, 0.2723, 0.1719



18.9158, 0.5690, 0.3691



# Rectangle

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



18.9158, 0.3007, 0.5857



18.9158, 0.1441, 0.3642



18.9158, 0.2723, 0.1719



18.9158, 0.5010, 0.2678

# Sweetspot

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



18.9166, 0.3007, 0.5857



39.8581, 0.3093, 0.4020



23.7785, 0.4180, 0.4970



9.0512, 0.3089, 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.



18.9166, 0.3007, 0.5857



33.0690, 0.3000, 0.6000



19.4033, 0.2704, 0.4800



5.6084, 0.3117, 0.3515



16.6664, 0.3000, 0.6000



0.1107, 0.3001, 0.5999



# Inverse Universe

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



7.8612, 0.3205, 0.1601



13.1511, 0.3207, 0.1540



6.5633, 0.4564, 0.2400



5.1288, 0.3137, 0.3074



6.6281, 0.3207, 0.1541

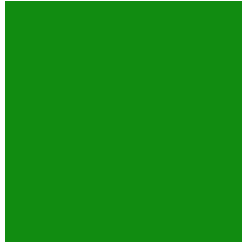


0.0441, 0.3208, 0.1541



# Previews

## White Background



This preview shows how the Yxy color 18.9158, 0.3007, 0.5857 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 18.9158, 0.3007, 0.5857 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

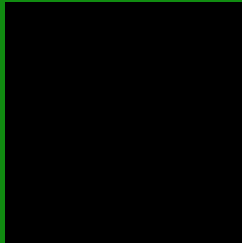
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 18.9158, 0.3007, 0.5857**

## **Background**



This preview shows how black text looks on a background with the Yxy color 18.9158, 0.3007, 0.5857.



This preview shows how white text looks on a background with the Yxy color 18.9158, 0.3007, 0.5857.

# 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

18.9158, 0.3007, 0.5857

### Protanopia

18.6036, 0.4372, 0.4854

### Deuteranopia

18.6342, 0.4536, 0.4476



## Tritanopia

18.8490, 0.2380, 0.3061

# Trichromacy



## Original Color

18.9158, 0.3007, 0.5857



## Protanomaly

17.4806, 0.3698, 0.5356



## Deuteranomaly

17.0745, 0.3805, 0.5087



## Tritanomaly

18.4302, 0.2647, 0.4178

# Monochromacy



## Original Color

18.9158, 0.3007, 0.5857



## Achromatopsia

9.9899, 0.3127, 0.3290



## Achromatomaly

12.1408, 0.3071, 0.4487

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 18.9158, 0.3007, 0.5857 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(17, 140, 17)` looks like.

```
.text, #text, p{  
    color:rgb(17, 140, 17)  
}
```

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(17, 140, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 140, 17) }
```

## Border

The CSS property to change the border of an element to Yxy 18.9158, 0.3007, 0.5857 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(17, 140, 17) }
```

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

```
.border{ border-color:rgb(17, 140, 17) }
```

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

Here you see how a box with a 4 pixel rgb(17, 140, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 140, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 140, 17);  
box-shadow:4px 4px 4px 4px rgb(17, 140,  
17) }
```



# Background

The CSS property to change the background color of an element to Yxy 18.9158, 0.3007, 0.5857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 140, 17) }
```

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

```
.background{ background-color: rgb(17, 140,  
17) }
```

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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