

Converting Colors

$Y_{xy}(18.9802, 0.3067, 0.5932)$

Have a look what the booklet for
Yxy(18.9802, 0.3067, 0.5932)
contains.

Yxy(18.9802, 0.3067, 0.5932)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.9802, 0.3067, 0.5932)

Conversions

Conversions Part 1

Format	Color
Hex	1A8C02
RGB	26, 140, 2
RGB Percent	10%, 55%, 1%
CMY	0.8984, 0.4510, 0.9922
CMYK	0.81, 0.00, 0.99, 0.45
HSL	110°, 97%, 28%
HSV	110°, 99%, 55%
XYZ	9.8133, 18.9802, 3.2028
YIQ	90.1820, -23.6460, -67.0860

Conversions

Conversions Part 2

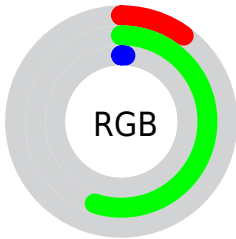
Format	Color
R_{YB}	2, 140, 116
Decimal	1739778
CIE _{Lab}	50.66, -52.78, 53.20
CIE _{LCh}	51, 74.940, 134.774
Yxy	18.9802, 0.3067, 0.5932
Android (android.graphics.Color)	4279929858 (0xFF1A8C02)
YUV	90.1820, -43.4737, -56.2876
Hunter-Lab	43.5663, -36.0340, 26.1376

Details

The Yxy color **18.9802, 0.3067, 0.5932** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.6545, 0.2790, 0.1318**, and the grayscale version is **10.3652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8273, 0.3178, 0.5280**, and **6.9794, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.9558, 0.3064, 0.5949**, and if you desaturate by 10%, it is **19.1979, 0.3097, 0.5799**.

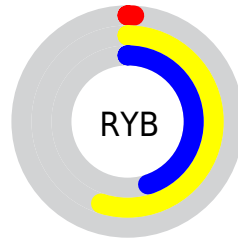
Distribution



Red (10%)

Green (55%)

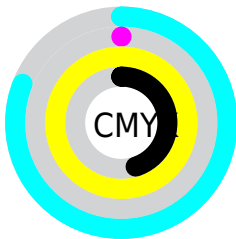
Blue (1%)



Red (1%)

Yellow (55%)

Blue (45%)

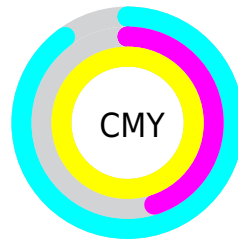


Cyan (81%)

Magenta (0%)

Yellow (99%)

Black (45%)



Cyan (90%)


Magenta (45%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9802, 0.3067, 0.5932 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 18.9802, 0.3067, 0.5932 by changing the saturation by 10% instead.


 18.9802, 0.3067,
0.5932


 18.9802, 0.3067,
0.5932


246.3394, 0.3225,
0.4332

 11.6560, 0.2934,
0.6407


 41.7006, 0.3180,
0.5284

 6.5099, 0.2761,
0.7239


 57.8656, 0.3203,
0.5059


 3.1575, 0.2192,
0.7808

 77.7464, 0.3216,
0.4878

 1.2145, 0.0000,
1.0000

 101.7272, 0.3223,
0.4729


 0.0735, 0.0000,
1.0000


 130.1925, 0.3226,
0.4604


 0.0000, 0.0000,
0.0000


 163.5267, 0.3227,


0.4499

 202.1142, 0.3227,
0.4410


 18.9802, 0.3067,
0.5932

 18.9802, 0.3067,
0.5932


 18.9558, 0.3064,
0.5949

 19.1979, 0.3097,
0.5799

 19.5062, 0.3127,
0.5604

 19.9203, 0.3149,
0.5346

 20.4491, 0.3164,
0.5043

 21.1004, 0.3171,
0.4716

■ 21.8815, 0.3170,
0.4386

■ 22.7990, 0.3164,
0.4068

■ 23.8591, 0.3153,
0.3770

■ 25.0676, 0.3140,
0.3500

Harmonies

Analogous

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



18.9802, 0.4229, 0.5470



18.9802, 0.3067, 0.5932



18.9802, 0.1974, 0.4955

Triad

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



18.9802, 0.3067, 0.5932



18.9802, 0.1186, 0.1544



18.9802, 0.5336, 0.2859

Complementary

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



18.9802, 0.3067, 0.5932



5.6545, 0.2790, 0.1318

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.



18.9802, 0.4040, 0.2168



18.9802, 0.3067, 0.5932



18.9802, 0.1678, 0.1455

Square

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



18.9802, 0.3067, 0.5932



18.9802, 0.1050, 0.2042



18.9802, 0.2634, 0.1671



18.9802, 0.5744, 0.3631

Rectangle

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



18.9802, 0.3067, 0.5932



18.9802, 0.1448, 0.3758



18.9802, 0.2634, 0.1671



18.9802, 0.4974, 0.2617

Sweetspot

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



18.9810, 0.3067, 0.5932



39.8406, 0.3165, 0.4131



17.7739, 0.4538, 0.4766



9.0391, 0.3168, 0.4249



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.



18.9810, 0.3067, 0.5932



33.3656, 0.3055, 0.5957



18.9658, 0.2863, 0.5490



5.6472, 0.3141, 0.3514



16.8478, 0.3066, 0.5947



0.1164, 0.3291, 0.5769

Inverse Universe

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



5.6545, 0.2790, 0.1318



9.7896, 0.2775, 0.1302



6.4690, 0.4163, 0.2078



5.0859, 0.3112, 0.3073



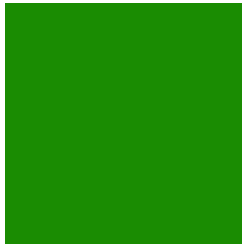
4.9722, 0.2786, 0.1308



0.0384, 0.3004, 0.1428

Previews

White Background



This preview shows how the Yxy color 18.9802, 0.3067, 0.5932 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 18.9802, 0.3067, 0.5932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

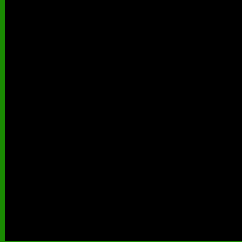
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9802, 0.3067, 0.5932

Background



This preview shows how black text looks on a background with the Yxy color 18.9802, 0.3067, 0.5932.



This preview shows how white text looks on a background with the Yxy color 18.9802, 0.3067, 0.5932.

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

18.9802, 0.3067, 0.5932

Protanopia

18.5838, 0.4397, 0.4891

Deuteranopia

18.7077, 0.4575, 0.4501



Tritanopia

18.9451, 0.2399, 0.3063

Trichromacy



Original Color

18.9802, 0.3067, 0.5932

Protanomaly

17.6138, 0.3765, 0.5385

Deuteranomaly

17.2806, 0.3899, 0.5122

Tritanomaly

18.4665, 0.2732, 0.4317

Monochromacy



Original Color

18.9802, 0.3067, 0.5932

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

12.2239, 0.3175, 0.4598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9802, 0.3067, 0.5932 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(26, 140, 2)` looks like.

```
.text, #text, p{  
    color:rgb(26, 140, 2)  
}
```

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(26, 140, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 140, 2) }
```

Border

The CSS property to change the border of an element to Yxy 18.9802, 0.3067, 0.5932 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(26, 140, 2) }
```

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

```
.border{ border-color:rgb(26, 140, 2) }
```

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

Here you see how a box with a 4 pixel rgb(26, 140, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 140, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 140, 2);  
box-shadow:4px 4px 4px 4px rgb(26, 140, 2)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.9802, 0.3067, 0.5932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 140, 2) }
```

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

```
.background{ background-color: rgb(26, 140,  
2) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor