

Converting Colors

$Yxy(18.3906, 0.3099, 0.5921)$

Have a look what the booklet for
Yxy(18.3906, 0.3099, 0.5921)
contains.

Yxy(18.4683, 0.3096, 0.5924)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.4683, 0.3096, 0.5924)

Conversions

Conversions Part 1

Format	Color
Hex	1F8A00
RGB	31, 138, 0
RGB Percent	12%, 54%, 0%
CMY	0.8787, 0.4588, 1.0000
CMYK	0.78, 0.00, 1.00, 0.46
HSL	107°, 100%, 27%
HSV	107°, 100%, 54%
XYZ	9.6519, 18.4683, 3.0552
YIQ	90.2750, -19.4740, -65.6020

Conversions

Conversions Part 2

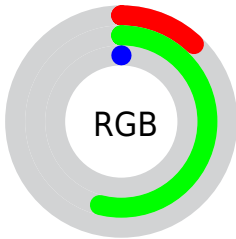
Format	Color
RYB	0, 138, 107
Decimal	2066944
CIELab	50.06, -51.47, 53.12
CIELCh	50, 73.964, 134.094
Yxy	18.4683, 0.3096, 0.5924
Android (android.graphics.Color)	4280257024 (0xFF1F8A00)
YUV	90.2750, -44.5056, -51.9842
Hunter-Lab	42.9748, -35.1157, 25.8673

Details

The Yxy color **18.4683, 0.3096, 0.5924** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.9657, 0.2660, 0.1239**, and the grayscale version is **10.3908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0201, 0.3203, 0.5282**, and **6.6556, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.4691, 0.3096, 0.5924**, and if you desaturate by 10%, it is **18.6947, 0.3131, 0.5790**.

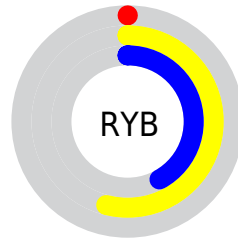
Distribution



Red (12%)

Green (54%)

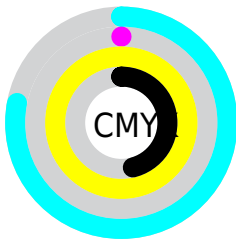
Blue (0%)



Red (0%)

Yellow (54%)

Blue (42%)

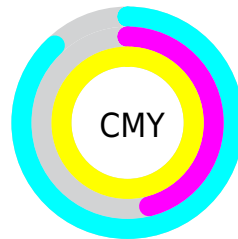


Cyan (78%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (88%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4683, 0.3096, 0.5924 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 18.4683, 0.3096, 0.5924 by changing the saturation by 10% instead.


 18.4683, 0.3096,
0.5924


 18.4683, 0.3096,
0.5924


243.4975, 0.3239,
0.4326


 11.2867, 0.2965,
0.6399


 40.8337, 0.3204,
0.5276


 6.2600, 0.2787,
0.7213


 56.7863, 0.3224,
0.5052


 3.0038, 0.2214,
0.7786


 76.4314, 0.3235,
0.4871

 1.1337, 0.0000,
1.0000

 100.1533, 0.3240,
0.4722

 0.0066, 0.0000,
1.0000


 128.3365, 0.3242,
0.4598


 0.0000, 0.0000,
0.0000


 161.3653, 0.3242,

0.4493


 199.6242, 0.3241,
0.4404

 18.4683, 0.3096,
0.5924


 18.4683, 0.3096,
0.5924


 18.4691, 0.3096,
0.5924

 18.6947, 0.3131,
0.5790

 19.0001, 0.3164,
0.5604

 19.4003, 0.3189,
0.5356

 19.9031, 0.3203,
0.5063

 20.5151, 0.3206,
0.4745

■ 21.2427, 0.3201,
0.4420

■ 22.0917, 0.3188,
0.4104

■ 23.0672, 0.3170,
0.3808

■ 24.1744, 0.3150,
0.3535

Harmonies

Analogous

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



18.4683, 0.4254, 0.5445



18.4683, 0.3096, 0.5924



18.4683, 0.2000, 0.4985

Triad

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



18.4683, 0.3096, 0.5924



18.4683, 0.1184, 0.1555



18.4683, 0.5306, 0.2845

Complementary

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



18.4683, 0.3096, 0.5924



4.9657, 0.2660, 0.1239

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.



18.4683, 0.4003, 0.2157



18.4683, 0.3096, 0.5924



18.4683, 0.1666, 0.1458

Square

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



18.4683, 0.3096, 0.5924



18.4683, 0.1056, 0.2064



18.4683, 0.2609, 0.1667



18.4683, 0.5738, 0.3614

Rectangle

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



18.4683, 0.3096, 0.5924



18.4683, 0.1468, 0.3797



18.4683, 0.2609, 0.1667



18.4683, 0.4939, 0.2603

Sweetspot

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



18.4691, 0.3096, 0.5924



38.8338, 0.3189, 0.4124



15.6718, 0.4663, 0.4680



8.5838, 0.3194, 0.4238



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.



18.4691, 0.3096, 0.5924



32.4914, 0.3085, 0.5933



18.3112, 0.2898, 0.5634



5.6588, 0.3148, 0.3513



16.9375, 0.3098, 0.5922



0.1181, 0.3367, 0.5708

Inverse Universe

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



4.9657, 0.2660, 0.1239



8.6800, 0.2649, 0.1233



6.3475, 0.4000, 0.1977



5.0734, 0.3104, 0.3072



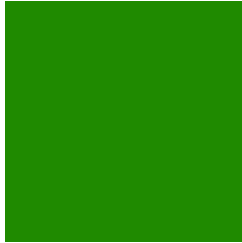
4.5589, 0.2662, 0.1240



0.0367, 0.2939, 0.1392

Previews

White Background



This preview shows how the Yxy color 18.4683, 0.3096, 0.5924 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 18.4683, 0.3096, 0.5924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

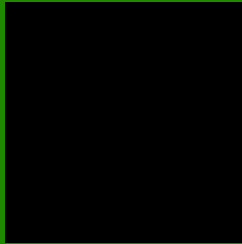
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4683, 0.3096, 0.5924

Background



This preview shows how black text looks on a background with the Yxy color 18.4683, 0.3096, 0.5924.



This preview shows how white text looks on a background with the Yxy color 18.4683, 0.3096, 0.5924.

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

18.4683, 0.3096, 0.5924

Protanopia

18.2620, 0.4399, 0.4890

Deuteranopia

18.0716, 0.4578, 0.4491



Tritanopia

18.3924, 0.2412, 0.3060

Trichromacy



Original Color

18.4683, 0.3096, 0.5924



Protanomaly

17.4631, 0.3804, 0.5361



Deuteranomaly

16.7859, 0.3925, 0.5108



Tritanomaly

17.9372, 0.2757, 0.4327

Monochromacy



Original Color

18.4683, 0.3096, 0.5924



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

12.0760, 0.3215, 0.4595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4683, 0.3096, 0.5924 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(31, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(31, 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(31, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 138, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.4683, 0.3096, 0.5924 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(31, 138, 0) }
```

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

```
.border{ border-color:rgb(31, 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(31, 138, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(31, 138, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.4683, 0.3096, 0.5924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 138, 0) }
```

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

```
.background{ background-color: rgb(31, 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](#).

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