

Converting Colors

$Y_{xy}(18.8795, 0.3301, 0.4473)$

Have a look what the booklet for
Yxy(18.8795, 0.3301, 0.4473)
contains.

Yxy(18.8926, 0.3301, 0.4475)	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(18.8926, 0.3301, 0.4475)

Conversions

Conversions Part 1

Format	Color
Hex	5F824A
RGB	95, 130, 74
RGB Percent	37%, 51%, 29%
CMY	0.6275, 0.4902, 0.7098
CMYK	0.27, 0.00, 0.43, 0.49
HSL	98°, 27%, 40%
HSV	98°, 43%, 51%
XYZ	13.9362, 18.8926, 9.3893
YIQ	113.1510, -2.8840, -24.8360

Conversions

Conversions Part 2

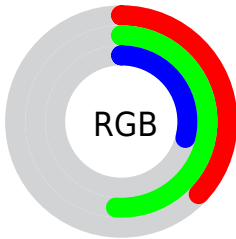
Format	Color
RYB	74, 130, 109
Decimal	6259274
CIELab	50.56, -23.25, 26.40
CIElCh	51, 35.176, 131.363
Yxy	18.8926, 0.3301, 0.4475
Android (android.graphics.Color)	4284449354 (0xFF5F824A)
YUV	113.1510, -19.3014, -15.9184
Hunter-Lab	43.4656, -18.8331, 17.6183

Details

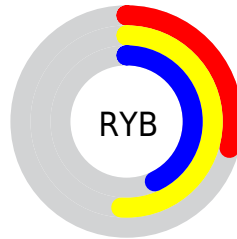
The Yxy color **18.8926, 0.3301, 0.4475** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **9.7612, 0.2849, 0.2175**, and the grayscale version is **16.6188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5253, 0.3277, 0.4174**, and **6.4020, 0.3306, 0.5033** is the 20% darker color. If you saturate the color by 10%, you get **18.3231, 0.3323, 0.4779**, and if you desaturate by 10%, it is **19.5454, 0.3269, 0.4173**.

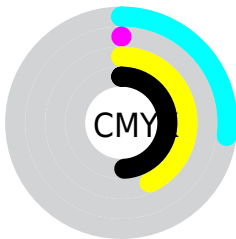
Distribution



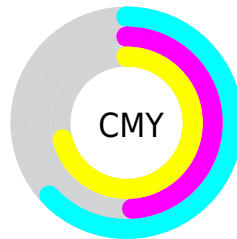
- Red (37%)
- Green (51%)
- Blue (29%)



- Red (29%)
- Yellow (51%)
- Blue (43%)



- Cyan (27%)
- Magenta (0%)
- Yellow (43%)
- Black (49%)





- Cyan (63%)
- Magenta (49%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8926, 0.3301, 0.4475 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 18.8926, 0.3301, 0.4475 by changing the saturation by 10% instead.


 18.8926, 0.3301,
0.4475


 18.8926, 0.3301,
0.4475


245.8552, 0.3222,
0.3766


 11.5927, 0.3310,
0.4704


 41.5525, 0.3278,
0.4183

 6.4670, 0.3308,
0.5035


 57.6814, 0.3267,
0.4084


 3.1311, 0.3288,
0.5584

 77.5220, 0.3257,
0.4005

 1.2005, 0.3118,
0.6882

 101.4587, 0.3249,
0.3940

 0.0621, 0.0000,
1.0000

 129.8760, 0.3241,
0.3886

 0.0000, 0.0000,
0.0000

163.1583, 0.3234,

0.3840

201.6899, 0.3228,
0.3800

■ 18.8926, 0.3301,
0.4475

■ 18.8926, 0.3301,
0.4475

■ 18.3231, 0.3323,
0.4779

■ 19.5454, 0.3269,
0.4173

■ 17.8309, 0.3332,
0.5070

■ 20.2824, 0.3230,
0.3883

■ 17.4127, 0.3325,
0.5334


■ 21.1076, 0.3186,
0.3612


■ 17.0642, 0.3301,
0.5554

■ 22.0240, 0.3141,
0.3362

■ 16.7804, 0.3262,
0.5718


■ 23.0346, 0.3096,
0.3136

 16.6130, 0.3233,
0.5815

 24.1419, 0.3051,
0.2934

 25.3486, 0.3009,
0.2753

 26.6572, 0.2968,
0.2592

 28.0701, 0.2930,
0.2450

Harmonies

Analogous

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



18.8926, 0.3915, 0.4433



18.8926, 0.3301, 0.4475



18.8926, 0.2672, 0.4073

Triad

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



18.8926, 0.3301, 0.4475



18.8926, 0.2016, 0.2391



18.8926, 0.4125, 0.3087

Complementary

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



18.8926, 0.3301, 0.4475



9.7612, 0.2849, 0.2175

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.



18.8926, 0.3513, 0.2658



18.8926, 0.3301, 0.4475



18.8926, 0.2312, 0.2264

Square

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



18.8926, 0.3301, 0.4475



18.8926, 0.1974, 0.2774



18.8926, 0.2841, 0.2366



18.8926, 0.4437, 0.3584

Rectangle

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



18.8926, 0.3301, 0.4475



18.8926, 0.2331, 0.3630



18.8926, 0.2841, 0.2366



18.8926, 0.3943, 0.2933

Sweetspot

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



18.8934, 0.3301, 0.4475



37.1355, 0.3187, 0.3617



16.0792, 0.3899, 0.3952



8.3403, 0.3196, 0.3667



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.8934, 0.3301, 0.4475



32.2558, 0.3323, 0.4781



18.0099, 0.3008, 0.4414



4.8911, 0.3168, 0.3509



15.9310, 0.3234, 0.5814



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.7612, 0.2849, 0.2175



13.8846, 0.2761, 0.1907



11.0851, 0.3276, 0.2380



4.3344, 0.3082, 0.3074



3.2392, 0.2315, 0.1049



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.8926, 0.3301, 0.4475 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 18.8926, 0.3301, 0.4475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

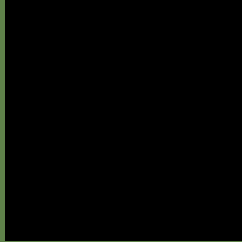
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8926, 0.3301, 0.4475

Background



This preview shows how black text looks on a background with the Yxy color 18.8926, 0.3301, 0.4475.



This preview shows how white text looks on a background with the Yxy color 18.8926, 0.3301, 0.4475.

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

18.8926, 0.3301, 0.4475

Protanopia

18.7004, 0.3872, 0.4214

Deuteranopia

18.7408, 0.3996, 0.3940



Tritanopia

18.8024, 0.2803, 0.3095

Trichromacy



Original Color

18.8926, 0.3301, 0.4475

Protanomaly

18.7218, 0.3654, 0.4326

Deuteranomaly

18.4044, 0.3722, 0.4112

Tritanomaly

18.8583, 0.2986, 0.3575

Monochromacy



Original Color

18.8926, 0.3301, 0.4475

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.1587, 0.3196, 0.3707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8926, 0.3301, 0.4475 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(95, 130, 74)` looks like.

```
.text, #text, p{  
  color:rgb(95, 130, 74)  
}
```

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(95, 130, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 130, 74) }
```

Border

The CSS property to change the border of an element to Yxy 18.8926, 0.3301, 0.4475 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(95, 130, 74) }
```

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

```
.border{ border-color:rgb(95, 130, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 130, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 130, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 130, 74);  
box-shadow:4px 4px 4px 4px rgb(95, 130,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8926, 0.3301, 0.4475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 130, 74) }
```

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

```
.background{ background-color: rgb(95, 130,  
74) }
```

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