

Converting Colors

$Y_{xy}(19.0353, 0.3080, 0.4660)$

Have a look what the booklet for
Yxy(19.0353, 0.3080, 0.4660)
contains.

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Color

Yxy(18.9871, 0.3073, 0.4649)

Conversions

Conversions Part 1

Format	Color
Hex	4A8649
RGB	74, 134, 73
RGB Percent	29%, 53%, 29%
CMY	0.7099, 0.4745, 0.7138
CMYK	0.45, 0.00, 0.46, 0.47
HSL	119°, 29%, 41%
HSV	119°, 46%, 53%
XYZ	12.5505, 18.9871, 9.3036
YIQ	109.1060, -16.1790, -31.6910

Conversions

Conversions Part 2

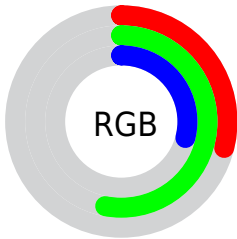
Format	Color
R_{YB}	73, 134, 133
Decimal	4884041
CIE _{Lab}	50.67, -32.77, 26.86
CIE _{LCh}	51, 42.371, 140.657
Yxy	18.9871, 0.3073, 0.4649
Android (android.graphics.Color)	4283074121 (0xFF4A8649)
YUV	109.1060, -17.8003, -30.7880
Hunter-Lab	43.5742, -24.8421, 17.8428

Details

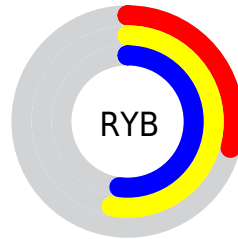
The Yxy color **18.9871, 0.3073, 0.4649** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.4711, 0.3162, 0.2217**, and the grayscale version is **15.3786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8321, 0.3103, 0.4303**, and **6.5685, 0.2964, 0.5324** is the 20% darker color. If you saturate the color by 10%, you get **18.3596, 0.3058, 0.4993**, and if you desaturate by 10%, it is **19.7641, 0.3088, 0.4307**.

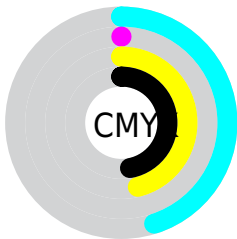
Distribution



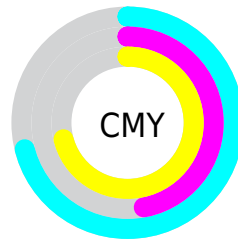
- Red (29%)
- Green (53%)
- Blue (29%)



- Red (29%)
- Yellow (53%)
- Blue (52%)



- Cyan (45%)
- Magenta (0%)
- Yellow (46%)
- Black (47%)




- Cyan (71%)
- Magenta (47%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9871, 0.3073, 0.4649 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 18.9871, 0.3073, 0.4649 by changing the saturation by 10% instead.


 18.9871, 0.3073,
0.4649


 18.9871, 0.3073,
0.4649


246.3775, 0.3132,
0.3826


 11.6610, 0.3036,
0.4921


 41.7123, 0.3107,
0.4306


 6.5133, 0.2967,
0.5321


 57.8801, 0.3116,
0.4191


 3.1596, 0.2839,
0.5996

 77.7640, 0.3121,
0.4099

 1.2156, 0.2099,
0.7901

 101.7483, 0.3125,
0.4024

 0.0744, 0.0000,
1.0000

 130.2174, 0.3128,
0.3962

 0.0000, 0.0000,
0.0000

163.5557, 0.3130,

0.3910

202.1476, 0.3131,
0.3865

■ 18.9871, 0.3073,
0.4649

■ 18.9871, 0.3073,
0.4649

■ 18.3596, 0.3058,
0.4993

■ 19.7641, 0.3088,
0.4307

■ 17.8698, 0.3042,
0.5317

■ 20.6969, 0.3101,
0.3984

■ 17.5080, 0.3028,
0.5597

■ 21.7940, 0.3112,
0.3687

■ 17.2624, 0.3016,
0.5809

■ 23.0629, 0.3122,
0.3423

■ 17.1170, 0.3007,
0.5944


■ 24.5105, 0.3131,
0.3190

 17.0660, 0.3005,
0.5996

 26.1434, 0.3138,
0.2988

 27.9678, 0.3144,
0.2813

 29.9896, 0.3149,
0.2662

 32.2145, 0.3153,
0.2532

Harmonies

Analogous

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



18.9871, 0.3827, 0.4726



18.9871, 0.3073, 0.4649



18.9871, 0.2374, 0.4003

Triad

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



18.9871, 0.3073, 0.4649



18.9871, 0.1903, 0.2153



18.9871, 0.4493, 0.3208

Complementary

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



18.9871, 0.3073, 0.4649



11.4711, 0.3162, 0.2217

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.



18.9871, 0.3835, 0.2685



18.9871, 0.3073, 0.4649



18.9871, 0.2327, 0.2103

Square

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



18.9871, 0.3073, 0.4649



18.9871, 0.1762, 0.2488



18.9871, 0.3015, 0.2294



18.9871, 0.4706, 0.3787

Rectangle

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



18.9871, 0.3073, 0.4649



18.9871, 0.2034, 0.3423



18.9871, 0.3015, 0.2294



18.9871, 0.4313, 0.3024

Sweetspot

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



18.9879, 0.3073, 0.4649



38.6536, 0.3114, 0.3653



22.3215, 0.3784, 0.4349



8.6208, 0.3112, 0.3705



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.9879, 0.3073, 0.4649



32.2793, 0.3057, 0.5016



19.4364, 0.2803, 0.3978



5.2081, 0.3119, 0.3514



15.9924, 0.3005, 0.5996



0.0556, 0.3030, 0.5976

Inverse Universe

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



11.4711, 0.3162, 0.2217



17.2373, 0.3167, 0.2001



10.8417, 0.3673, 0.2702



4.7590, 0.3135, 0.3076



6.1954, 0.3169, 0.1520



0.0218, 0.3191, 0.1531

Previews

White Background



This preview shows how the Yxy color 18.9871, 0.3073, 0.4649 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 18.9871, 0.3073, 0.4649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

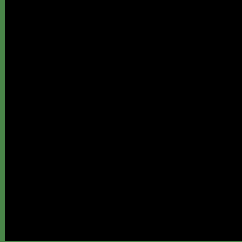
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9871, 0.3073, 0.4649

Background



This preview shows how black text looks on a background with the Yxy color 18.9871, 0.3073, 0.4649.



This preview shows how white text looks on a background with the Yxy color 18.9871, 0.3073, 0.4649.

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

18.9871, 0.3073, 0.4649

Protanopia

18.7558, 0.3908, 0.4242

Deuteranopia

18.7408, 0.3996, 0.3940



Tritanopia

19.0111, 0.2606, 0.3089

Trichromacy



Original Color

18.9871, 0.3073, 0.4649

Protanomaly

18.4889, 0.3565, 0.4396

Deuteranomaly

18.3628, 0.3625, 0.4194

Tritanomaly

18.9740, 0.2773, 0.3629

Monochromacy



Original Color

18.9871, 0.3073, 0.4649

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.2882, 0.3105, 0.3770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9871, 0.3073, 0.4649 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(74, 134, 73)` looks like.

```
.text, #text, p{  
    color:rgb(74, 134, 73)  
}
```

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(74, 134, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 134, 73) }
```

Border

The CSS property to change the border of an element to Yxy 18.9871, 0.3073, 0.4649 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(74, 134, 73) }
```

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

```
.border{ border-color:rgb(74, 134, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 134, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 134, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 134, 73);  
box-shadow:4px 4px 4px 4px rgb(74, 134,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9871, 0.3073, 0.4649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 134, 73) }
```

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

```
.background{ background-color: rgb(74, 134,  
73) }
```

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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