

Converting Colors

$Y_{xy}(18.7861, 0.3032, 0.4647)$

Have a look what the booklet for
Yxy(18.7861, 0.3032, 0.4647)
contains.

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Color

Yxy(18.8467, 0.3026, 0.4642)

Conversions

Conversions Part 1

Format	Color
Hex	46864A
RGB	70, 134, 74
RGB Percent	27%, 53%, 29%
CMY	0.7256, 0.4745, 0.7098
CMYK	0.48, 0.00, 0.45, 0.47
HSL	124°, 31%, 40%
HSV	124°, 48%, 53%
XYZ	12.2857, 18.8467, 9.4680
YIQ	108.0240, -18.8840, -32.2280

Conversions

Conversions Part 2

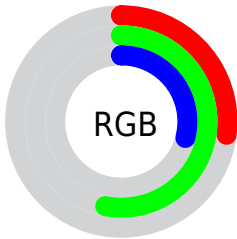
Format	Color
R_{YB}	70, 130, 134
Decimal	4621898
CIE Lab	50.51, -33.86, 26.06
CIE LCh	51, 42.730, 142.416
Yxy	18.8467, 0.3026, 0.4642
Android (android.graphics.Color)	4282811978 (0xFF46864A)
YUV	108.0240, -16.7738, -33.3470
Hunter-Lab	43.4128, -25.4575, 17.4582

Details

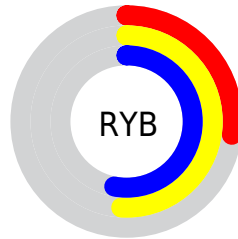
The Yxy color **18.8467, 0.3026, 0.4642** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.0580, 0.3242, 0.2233**, and the grayscale version is **15.0541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5593, 0.3065, 0.4296**, and **6.5101, 0.2901, 0.5326** is the 20% darker color. If you saturate the color by 10%, you get **18.2510, 0.3008, 0.4971**, and if you desaturate by 10%, it is **19.5890, 0.3047, 0.4315**.

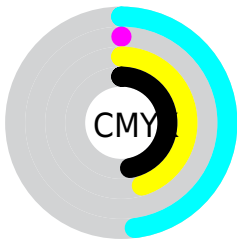
Distribution



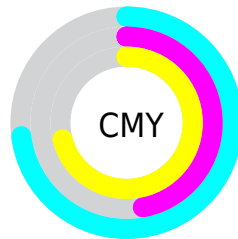
- Red (27%)
- Green (53%)
- Blue (29%)



- Red (27%)
- Yellow (51%)
- Blue (53%)



- Cyan (48%)
- Magenta (0%)
- Yellow (45%)
- Black (47%)





- Cyan (73%)
- Magenta (47%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8467, 0.3026, 0.4642 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 18.8467, 0.3026, 0.4642 by changing the saturation by 10% instead.


 18.8467, 0.3026,
0.4642


 18.8467, 0.3026,
0.4642


245.6012, 0.3112,
0.3821


 11.5596, 0.2982,
0.4915


 41.4749, 0.3071,
0.4299


 6.4445, 0.2901,
0.5318


 57.5847, 0.3083,
0.4184


 3.1172, 0.2755,
0.5995

 77.4043, 0.3091,
0.4093

 1.1932, 0.1895,
0.8105

 101.3179, 0.3098,
0.4018

 0.0562, 0.0000,
1.0000

 129.7100, 0.3103,
0.3957

 0.0000, 0.0000,
0.0000

162.9650, 0.3106,

0.3904

201.4672, 0.3109,
0.3859

■ 18.8467, 0.3026,
0.4642

■ 18.8467, 0.3026,
0.4642

■ 18.2510, 0.3008,
0.4971

■ 19.5890, 0.3047,
0.4315

■ 17.7900, 0.2995,
0.5284

■ 20.4842, 0.3068,
0.4006

■ 17.4538, 0.2987,
0.5558


■ 21.5411, 0.3090,
0.3722


■ 17.2302, 0.2985,
0.5773

■ 22.7670, 0.3111,
0.3467


■ 17.0956, 0.2986,
0.5918


■ 24.1690, 0.3131,
0.3243

 17.0702, 0.2984,
0.5942

 25.7535, 0.3150,
0.3047

 27.5269, 0.3167,
0.2877

 29.4951, 0.3182,
0.2730

 31.6638, 0.3196,
0.2603

Harmonies

Analogous

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



18.8467, 0.3790, 0.4753



18.8467, 0.3026, 0.4642



18.8467, 0.2331, 0.3961

Triad

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



18.8467, 0.3026, 0.4642



18.8467, 0.1909, 0.2132



18.8467, 0.4534, 0.3239

Complementary

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



18.8467, 0.3026, 0.4642



11.0580, 0.3242, 0.2233

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.



18.8467, 0.3890, 0.2707



18.8467, 0.3026, 0.4642



18.8467, 0.2353, 0.2097

Square

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



18.8467, 0.3026, 0.4642



18.8467, 0.1750, 0.2451



18.8467, 0.3060, 0.2303



18.8467, 0.4719, 0.3824

Rectangle

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



18.8467, 0.3026, 0.4642



18.8467, 0.2000, 0.3373



18.8467, 0.3060, 0.2303



18.8467, 0.4361, 0.3052

Sweetspot

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



18.8475, 0.3026, 0.4642



38.6649, 0.3098, 0.3630



22.3034, 0.3765, 0.4429



8.6237, 0.3094, 0.3679



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.



18.8475, 0.3026, 0.4642



32.1096, 0.3007, 0.4987



19.3770, 0.2754, 0.3920



5.2091, 0.3109, 0.3500



15.9965, 0.2983, 0.5940



0.0557, 0.2911, 0.5678

Inverse Universe

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



11.0580, 0.3242, 0.2233



16.7002, 0.3270, 0.2037



10.3435, 0.3793, 0.2751



4.7579, 0.3146, 0.3089



6.1522, 0.3368, 0.1629



0.0217, 0.3282, 0.1582

Previews

White Background



This preview shows how the Yxy color 18.8467, 0.3026, 0.4642 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 18.8467, 0.3026, 0.4642 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 18.8467, 0.3026, 0.4642

Background



This preview shows how black text looks on a background with the Yxy color 18.8467, 0.3026, 0.4642.



This preview shows how white text looks on a background with the Yxy color 18.8467, 0.3026, 0.4642.

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

18.8467, 0.3026, 0.4642

Protanopia

18.6879, 0.3883, 0.4231

Deuteranopia

18.5284, 0.3991, 0.3906



Tritanopia

18.8697, 0.2579, 0.3088

Trichromacy



Original Color

18.8467, 0.3026, 0.4642

Protanomaly

18.3734, 0.3529, 0.4387

Deuteranomaly

17.9925, 0.3592, 0.4167

Tritanomaly

18.8424, 0.2745, 0.3631

Monochromacy



Original Color

18.8467, 0.3026, 0.4642

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.9468, 0.3080, 0.3753

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8467, 0.3026, 0.4642 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(70, 134, 74)` looks like.

```
.text, #text, p{  
    color:rgb(70, 134, 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(70, 134, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 134, 74) }
```

Border

The CSS property to change the border of an element to Yxy 18.8467, 0.3026, 0.4642 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(70, 134, 74) }
```

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

```
.border{ border-color:rgb(70, 134, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 134, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 134, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 134, 74);  
box-shadow:4px 4px 4px 4px rgb(70, 134,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8467, 0.3026, 0.4642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 134, 74) }
```

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

```
.background{ background-color: rgb(70, 134,  
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](#).

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