

Converting Colors

$Y_{xy}(18.6439, 0.3206, 0.4824)$

Have a look what the booklet for
Yxy(18.6439, 0.3206, 0.4824)
contains.

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Color

Yxy(18.7536, 0.3199, 0.4827)

Conversions

Conversions Part 1

Format	Color
Hex	4E853F
RGB	78, 133, 63
RGB Percent	31%, 52%, 25%
CMY	0.6940, 0.4784, 0.7529
CMYK	0.41, 0.00, 0.53, 0.48
HSL	107°, 36%, 38%
HSV	107°, 53%, 52%
XYZ	12.4286, 18.7536, 7.6693
YIQ	108.5750, -10.3100, -33.4300

Conversions

Conversions Part 2

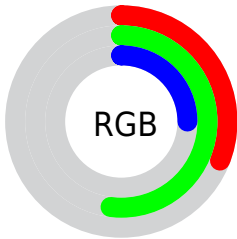
Format	Color
RYB	63, 133, 118
Decimal	5145919
CIELab	50.40, -32.41, 31.88
CIELCh	50, 45.465, 135.473
Yxy	18.7536, 0.3199, 0.4827
Android (android.graphics.Color)	4283335999 (0xFF4E853F)
YUV	108.5750, -22.4685, -26.8143
Hunter-Lab	43.3054, -24.5553, 19.8137

Details

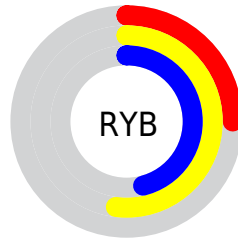
The Yxy color **18.7536, 0.3199, 0.4827** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **9.1005, 0.2942, 0.1986**, and the grayscale version is **15.2356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4563, 0.3211, 0.4452**, and **6.4277, 0.3110, 0.5583** is the 20% darker color. If you saturate the color by 10%, you get **18.2162, 0.3192, 0.5141**, and if you desaturate by 10%, it is **19.3986, 0.3197, 0.4502**.

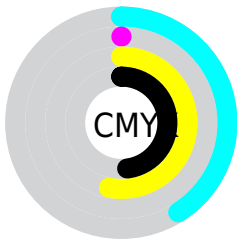
Distribution



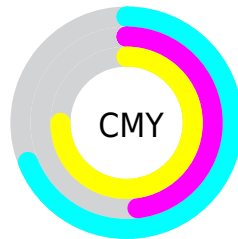
- Red (31%)
- Green (52%)
- Blue (25%)



- Red (25%)
- Yellow (52%)
- Blue (46%)



- Cyan (41%)
- Magenta (0%)
- Yellow (53%)
- Black (48%)





- Cyan (69%)
- Magenta (48%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7536, 0.3199, 0.4827 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 18.7536, 0.3199, 0.4827 by changing the saturation by 10% instead.


 18.7536, 0.3199,
0.4827


 18.7536, 0.3199,
0.4827


245.0851, 0.3195,
0.3897


 11.4924, 0.3174,
0.5130


 41.3173, 0.3212,
0.4441


 6.3990, 0.3113,
0.5568


 57.3886, 0.3211,
0.4311

 3.0892, 0.3064,
0.6456

 77.1654, 0.3209,
0.4207

 1.1785, 0.2044,
0.7956

 101.0320, 0.3207,
0.4122

 0.0440, 0.0000,
1.0000

 129.3729, 0.3204,
0.4052

 0.0000, 0.0000,
0.0000

 162.5724, 0.3201,

0.3992

201.0150, 0.3198,
0.3941

■ 18.7536, 0.3199,
0.4827

■ 18.7536, 0.3199,
0.4827

■ 18.2162, 0.3192,
0.5141

■ 19.3986, 0.3197,
0.4502

■ 17.7782, 0.3176,
0.5425

■ 20.1543, 0.3187,
0.4184

■ 17.4337, 0.3149,
0.5659

■ 21.0266, 0.3172,
0.3881

■ 17.1754, 0.3114,
0.5829

■ 22.0202, 0.3153,
0.3603

■ 17.0289, 0.3091,
0.5928

■ 23.1397, 0.3133,
0.3351

■ 24.3891, 0.3111,
0.3127

■ 25.7727, 0.3089,
0.2929

■ 27.2942, 0.3068,
0.2754

■ 28.9575, 0.3048,
0.2601

Harmonies

Analogous

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



18.7536, 0.3992, 0.4783



18.7536, 0.3199, 0.4827



18.7536, 0.2429, 0.4218

Triad

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



18.7536, 0.3199, 0.4827



18.7536, 0.1778, 0.2114



18.7536, 0.4504, 0.3091

Complementary

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



18.7536, 0.3199, 0.4827



9.1005, 0.2942, 0.1986

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.



18.7536, 0.3736, 0.2559



18.7536, 0.3199, 0.4827



18.7536, 0.2172, 0.2018

Square

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



18.7536, 0.3199, 0.4827



18.7536, 0.1681, 0.2521



18.7536, 0.2859, 0.2180



18.7536, 0.4822, 0.3696

Rectangle

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



18.7536, 0.3199, 0.4827



18.7536, 0.2037, 0.3591



18.7536, 0.2859, 0.2180



18.7536, 0.4284, 0.2902

Sweetspot

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



18.7544, 0.3199, 0.4827



38.7430, 0.3161, 0.3704



18.2634, 0.3995, 0.4285



8.6594, 0.3164, 0.3752



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.



18.7544, 0.3199, 0.4827



32.4677, 0.3190, 0.5195



18.4538, 0.2888, 0.4444



5.2494, 0.3146, 0.3512



16.2240, 0.3092, 0.5927



0.0589, 0.3353, 0.5719

Inverse Universe

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



9.1005, 0.2942, 0.1986



13.1980, 0.2882, 0.1729



9.7391, 0.3525, 0.2377



4.7138, 0.3106, 0.3074



4.4466, 0.2687, 0.1254



0.0185, 0.2951, 0.1399

Previews

White Background



This preview shows how the Yxy color 18.7536, 0.3199, 0.4827 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 18.7536, 0.3199, 0.4827 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 18.7536, 0.3199, 0.4827

Background



This preview shows how black text looks on a background with the Yxy color 18.7536, 0.3199, 0.4827.



This preview shows how white text looks on a background with the Yxy color 18.7536, 0.3199, 0.4827.

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

18.7536, 0.3199, 0.4827

Protanopia

18.6542, 0.4003, 0.4387

Deuteranopia

18.5630, 0.4154, 0.4077



Tritanopia

18.6406, 0.2655, 0.3089

Trichromacy



Original Color

18.7536, 0.3199, 0.4827

Protanomaly

18.4382, 0.3678, 0.4573

Deuteranomaly

18.1330, 0.3770, 0.4352

Tritanomaly

18.5209, 0.2856, 0.3695

Monochromacy



Original Color

18.7536, 0.3199, 0.4827

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.3262, 0.3176, 0.3856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7536, 0.3199, 0.4827 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(78, 133, 63)` looks like.

```
.text, #text, p{  
    color:rgb(78, 133, 63)  
}
```

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(78, 133, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 133, 63) }
```

Border

The CSS property to change the border of an element to Yxy 18.7536, 0.3199, 0.4827 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(78, 133, 63) }
```

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

```
.border{ border-color:rgb(78, 133, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 133, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 133, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 133, 63);  
box-shadow:4px 4px 4px 4px rgb(78, 133,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7536, 0.3199, 0.4827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 133, 63) }
```

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

```
.background{ background-color: rgb(78, 133,  
63) }
```

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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