

Converting Colors

$Y_{xy}(18.8777, 0.3438, 0.4522)$

Have a look what the booklet for
Yxy(18.8777, 0.3438, 0.4522)
contains.

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Color

Yxy(18.9550, 0.3439, 0.4525)

Conversions

Conversions Part 1

Format	Color
Hex	668145
RGB	102, 129, 69
RGB Percent	40%, 51%, 27%
CMY	0.5999, 0.4941, 0.7294
CMYK	0.21, 0.00, 0.47, 0.49
HSL	87°, 30%, 39%
HSV	87°, 47%, 51%
XYZ	14.4058, 18.9550, 8.5287
YIQ	114.0870, 3.1680, -24.3840

Conversions

Conversions Part 2

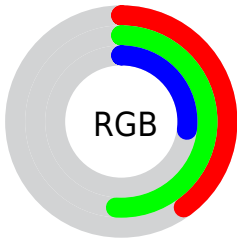
Format	Color
RYB	69, 129, 96
Decimal	6717765
CIELab	50.63, -20.63, 29.31
CIELCh	51, 35.847, 125.139
Yxy	18.9550, 0.3439, 0.4525
Android (android.graphics.Color)	4284907845 (0xFF668145)
YUV	114.0870, -22.2279, -10.6003
Hunter-Lab	43.5373, -17.1276, 18.8616

Details

The Yxy color **18.9550, 0.3439, 0.4525** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **8.3259, 0.2659, 0.2029**, and the grayscale version is **16.9235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6339, 0.3387, 0.4232**, and **6.5561, 0.3485, 0.5087** is the 20% darker color. If you saturate the color by 10%, you get **18.4855, 0.3483, 0.4800**, and if you desaturate by 10%, it is **19.4847, 0.3382, 0.4243**.

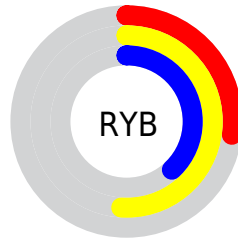
Distribution



Red (40%)

Green (51%)

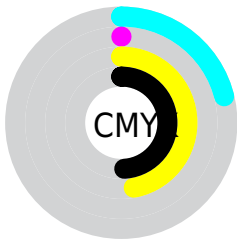
Blue (27%)



Red (27%)

Yellow (51%)

Blue (38%)

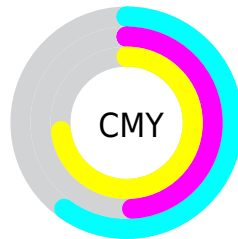


Cyan (21%)

Magenta (0%)

Yellow (47%)

Black (49%)



Cyan (60%)


Magenta (49%)


Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9550, 0.3439, 0.4525 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 18.9550, 0.3439, 0.4525 by changing the saturation by 10% instead.

 18.9550, 0.3439,
0.4525


 18.9550, 0.3439,
0.4525


246.2002, 0.3284,
0.3792

 11.6378, 0.3469,
0.4756


 41.6580, 0.3386,
0.4225


 6.4975, 0.3493,
0.5086


 57.8126, 0.3365,
0.4123


 3.1499, 0.3541,
0.5671

 77.6818, 0.3346,
0.4041

 1.2105, 0.3370,
0.6630

 101.6500, 0.3330,
0.3973

 0.0702, 0.0000,
1.0000

 130.1015, 0.3316,
0.3917

 0.0000, 0.0000,
0.0000

163.4208, 0.3304,

0.3869

201.9922, 0.3293,
0.3827

■ 18.9550, 0.3439,
0.4525

■ 18.9550, 0.3439,
0.4525

■ 18.4855, 0.3483,
0.4800

■ 19.4847, 0.3382,
0.4243

■ 18.0710, 0.3510,
0.5055

■ 20.0747, 0.3317,
0.3964

■ 17.7091, 0.3517,
0.5278

■ 20.7281, 0.3247,
0.3696

■ 17.3966, 0.3502,
0.5457

■ 21.4472, 0.3174,
0.3444

■ 17.1275, 0.3469,
0.5592

■ 22.2341, 0.3102,
0.3211

■ 17.0399, 0.3457,
0.5637

■ 23.0907, 0.3032,
0.2998

■ 24.0191, 0.2965,
0.2804

■ 25.0210, 0.2902,
0.2630

■ 26.0981, 0.2842,
0.2474

Harmonies

Analogous

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



18.9550, 0.4039, 0.4395



18.9550, 0.3439, 0.4525



18.9550, 0.2788, 0.4207

Triad

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



18.9550, 0.3439, 0.4525



18.9550, 0.1968, 0.2434



18.9550, 0.4031, 0.2984

Complementary

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



18.9550, 0.3439, 0.4525



8.3259, 0.2659, 0.2029

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.



18.9550, 0.3373, 0.2572



18.9550, 0.3439, 0.4525



18.9550, 0.2216, 0.2255

Square

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



18.9550, 0.3439, 0.4525



18.9550, 0.1980, 0.2877



18.9550, 0.2707, 0.2313



18.9550, 0.4427, 0.3480

Rectangle

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



18.9550, 0.3439, 0.4525



18.9550, 0.2415, 0.3784



18.9550, 0.2707, 0.2313



18.9550, 0.3829, 0.2834

Sweetspot

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



18.9558, 0.3439, 0.4525



37.3919, 0.3231, 0.3640



13.2805, 0.4069, 0.3801



8.4120, 0.3244, 0.3687



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.



18.9558, 0.3439, 0.4525



33.0416, 0.3486, 0.4821



17.5460, 0.3103, 0.4664



4.9262, 0.3193, 0.3507



16.6171, 0.3458, 0.5637



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.3259, 0.2659, 0.2029



11.4848, 0.2515, 0.1719



10.2005, 0.3114, 0.2183



4.2990, 0.3057, 0.3072



2.4246, 0.1960, 0.0853



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.9550, 0.3439, 0.4525 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 18.9550, 0.3439, 0.4525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

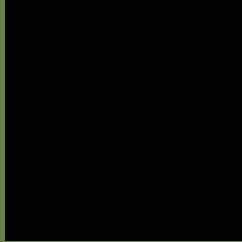
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9550, 0.3439, 0.4525

Background



This preview shows how black text looks on a background with the Yxy color 18.9550, 0.3439, 0.4525.



This preview shows how white text looks on a background with the Yxy color 18.9550, 0.3439, 0.4525.

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

18.9550, 0.3439, 0.4525

Protanopia

18.7318, 0.3930, 0.4276

Deuteranopia

18.8403, 0.4097, 0.4030



Tritanopia

18.9645, 0.2889, 0.3099

Trichromacy



Original Color

18.9550, 0.3439, 0.4525

Protanomaly

18.6361, 0.3744, 0.4366

Deuteranomaly

18.6337, 0.3846, 0.4201

Tritanomaly

18.9595, 0.3100, 0.3611

Monochromacy



Original Color

18.9550, 0.3439, 0.4525

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.3905, 0.3259, 0.3721

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9550, 0.3439, 0.4525 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(102, 129, 69)` looks like.

```
.text, #text, p{  
    color:rgb(102, 129, 69)  
}
```

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(102, 129, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 129, 69) }
```

Border

The CSS property to change the border of an element to Yxy 18.9550, 0.3439, 0.4525 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(102, 129, 69) }
```

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

```
.border{ border-color:rgb(102, 129, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 129, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 129, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 129, 69);  
box-shadow:4px 4px 4px 4px rgb(102, 129,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9550, 0.3439, 0.4525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 129, 69) }
```

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

```
.background{ background-color: rgb(102,  
129, 69) }
```

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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