

Converting Colors

$Y_{xy}(18.1829, 0.3486, 0.4316)$

Have a look what the booklet for
Yxy(18.1829, 0.3486, 0.4316)
contains.

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Color

Yxy(18.0979, 0.3489, 0.4317)

Conversions

Conversions Part 1

Format	Color
Hex	6C7C4A
RGB	108, 124, 74
RGB Percent	42%, 49%, 29%
CMY	0.5765, 0.5137, 0.7099
CMYK	0.13, 0.00, 0.40, 0.51
HSL	79°, 25%, 39%
HSV	79°, 40%, 49%
XYZ	14.6267, 18.0979, 9.1978
YIQ	113.5160, 6.5140, -18.9420

Conversions

Conversions Part 2

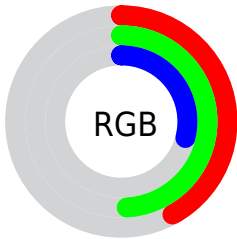
Format	Color
RYB	74, 124, 90
Decimal	7109706
CIELab	49.61, -14.88, 25.37
CIELCh	50, 29.415, 120.389
Yxy	18.0979, 0.3489, 0.4317
Android (android.graphics.Color)	4285299786 (0xFF6C7C4A)
YUV	113.5160, -19.4814, -4.8375
Hunter-Lab	42.5416, -13.0757, 16.9603

Details

The Yxy color **18.0979, 0.3489, 0.4317** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.5244, 0.2642, 0.2186**, and the grayscale version is **16.7322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3479, 0.3417, 0.4080**, and **6.0458, 0.3594, 0.4798** is the 20% darker color. If you saturate the color by 10%, you get **17.7045, 0.3563, 0.4578**, and if you desaturate by 10%, it is **18.5372, 0.3405, 0.4051**.

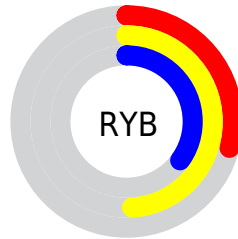
Distribution



Red (42%)

Green (49%)

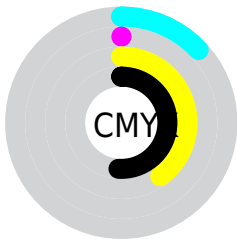
Blue (29%)



Red (29%)

Yellow (49%)

Blue (35%)

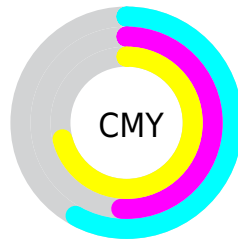


Cyan (13%)

Magenta (0%)

Yellow (40%)

Black (51%)



Cyan (58%)


Magenta (51%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0979, 0.3489, 0.4317 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 18.0979, 0.3489, 0.4317 by changing the saturation by 10% instead.


 18.0979, 0.3489,
0.4317

 18.0979, 0.3489,
0.4317


241.4223, 0.3295,
0.3708


 11.0203, 0.3537,
0.4510


 40.2041, 0.3417,
0.4068


 6.0805, 0.3593,
0.4787

 56.0014, 0.3390,
0.3983

 2.8941, 0.3676,
0.5252

 75.4742, 0.3368,
0.3915

 1.0767, 0.3759,
0.6241

 99.0067, 0.3349,
0.3859

 0.0000, 0.0000,
0.0000

 126.9833, 0.3332,
0.3812

159.7886, 0.3318,

0.3772

197.8068, 0.3306,
0.3738

■ 18.0979, 0.3489,
0.4317

■ 18.0979, 0.3489,
0.4317

■ 17.7045, 0.3563,
0.4578

■ 18.5372, 0.3405,
0.4051

■ 17.3524, 0.3622,
0.4824

■ 19.0220, 0.3315,
0.3788

■ 17.0403, 0.3662,
0.5044

■ 19.5548, 0.3222,
0.3536

■ 16.7654, 0.3680,
0.5228

■ 20.1373, 0.3130,
0.3298

■ 16.5249, 0.3675,
0.5369

■ 20.7711, 0.3041,
0.3076

■ 16.3158, 0.3657,
0.5478

■ 21.4578, 0.2955,
0.2873

■ 22.1988, 0.2874,
0.2688

■ 22.9954, 0.2799,
0.2520

■ 23.8491, 0.2729,
0.2368

Harmonies

Analogous

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



18.0979, 0.3969, 0.4185



18.0979, 0.3489, 0.4317



18.0979, 0.2936, 0.4105

Triad

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



18.0979, 0.3489, 0.4317



18.0979, 0.2125, 0.2619



18.0979, 0.3804, 0.2974

Complementary

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



18.0979, 0.3489, 0.4317



8.5244, 0.2642, 0.2186

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.



18.0979, 0.3245, 0.2634



18.0979, 0.3489, 0.4317



18.0979, 0.2306, 0.2421

Square

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



18.0979, 0.3489, 0.4317



18.0979, 0.2176, 0.3035



18.0979, 0.2699, 0.2435



18.0979, 0.4179, 0.3398

Rectangle

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



18.0979, 0.3489, 0.4317



18.0979, 0.2602, 0.3788



18.0979, 0.2699, 0.2435



18.0979, 0.3629, 0.2848

Sweetspot

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



18.0987, 0.3489, 0.4317



34.2188, 0.3240, 0.3584



12.0625, 0.3954, 0.3616



8.0361, 0.3250, 0.3609



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



18.0987, 0.3489, 0.4317



31.2314, 0.3555, 0.4547



16.7572, 0.3176, 0.4426



4.5727, 0.3210, 0.3505



16.5833, 0.3657, 0.5479



78.6319, 0.3629, 0.5500

Inverse Universe

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



8.5244, 0.2642, 0.2186



12.0324, 0.2507, 0.1915



9.9845, 0.3025, 0.2299



3.9501, 0.3039, 0.3072



1.9306, 0.1758, 0.0742



8.7985, 0.1711, 0.0716

Previews

White Background



This preview shows how the Yxy color 18.0979, 0.3489, 0.4317 looks on a white background.

Color Contrast Check

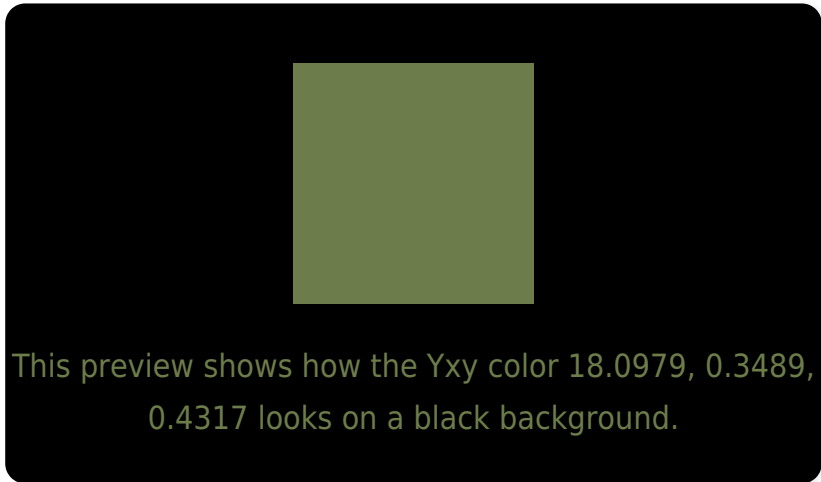
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

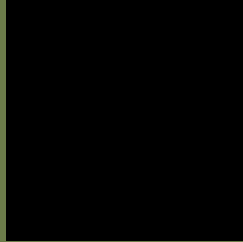
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0979, 0.3489, 0.4317

Background



This preview shows how black text looks on a background with the Yxy color 18.0979, 0.3489, 0.4317.



This preview shows how white text looks on a background with the Yxy color 18.0979, 0.3489, 0.4317.

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

18.0979, 0.3489, 0.4317

Protanopia

18.0919, 0.3836, 0.4156

Deuteranopia

18.0969, 0.3996, 0.3931



Tritanopia

18.1340, 0.2987, 0.3117

Trichromacy



Original Color

18.0979, 0.3489, 0.4317

Protanomaly

17.9789, 0.3699, 0.4208

Deuteranomaly

17.9902, 0.3810, 0.4063

Tritanomaly

17.9604, 0.3166, 0.3531

Monochromacy



Original Color

18.0979, 0.3489, 0.4317

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.3025, 0.3276, 0.3678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0979, 0.3489, 0.4317 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(108, 124, 74)` looks like.

```
.text, #text, p{  
    color:rgb(108, 124, 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(108, 124, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 124, 74) }
```

Border

The CSS property to change the border of an element to Yxy 18.0979, 0.3489, 0.4317 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(108, 124, 74) }
```

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

```
.border{ border-color:rgb(108, 124, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 124, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 124, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 124, 74);  
box-shadow:4px 4px 4px 4px rgb(108, 124,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0979, 0.3489, 0.4317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 124, 74) }
```

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

```
.background{ background-color: rgb(108,  
124, 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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