

Converting Colors

$Y_{xy}(18.7322, 0.4063, 0.4905)$

Have a look what the booklet for
Yxy(18.7322, 0.4063, 0.4905)
contains.

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Color

Yxy(18.6416, 0.4063, 0.4900)

Conversions

Conversions Part 1

Format	Color
Hex	7A7C1D
RGB	122, 124, 29
RGB Percent	48%, 49%, 11%
CMY	0.5215, 0.5137, 0.8863
CMYK	0.02, 0.00, 0.77, 0.51
HSL	61°, 62%, 30%
HSV	61°, 77%, 49%
XYZ	15.4573, 18.6416, 3.9452
YIQ	112.5720, 29.3030, -29.9690

Conversions

Conversions Part 2

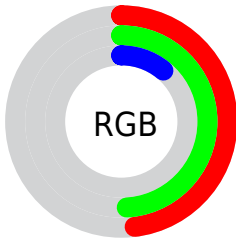
Format	Color
R_{YB}	29, 124, 31
Decimal	8027165
CIE _{Lab}	50.27, -12.71, 48.07
CIE _{LCh}	50, 49.721, 104.806
Yxy	18.6416, 0.4063, 0.4900
Android (android.graphics.Color)	4286217245 (0xFF7A7C1D)
YUV	112.5720, -41.2010, 8.2684
Hunter-Lab	43.1759, -11.6535, 24.8056

Details

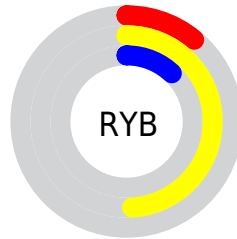
The Yxy color **18.6416, 0.4063, 0.4900** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.6244, 0.1745, 0.0987**, and the grayscale version is **16.4988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9919, 0.3906, 0.4556**, and **6.3342, 0.4088, 0.5136** is the 20% darker color. If you saturate the color by 10%, you get **18.5742, 0.4116, 0.4998**, and if you desaturate by 10%, it is **18.7355, 0.3986, 0.4763**.

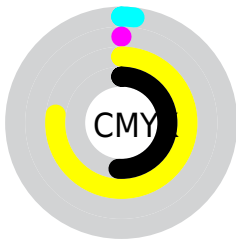
Distribution



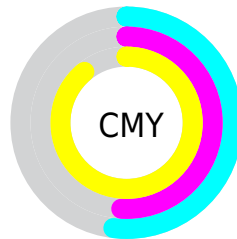
- Red (48%)
- Green (49%)
- Blue (11%)



- Red (11%)
- Yellow (49%)
- Blue (12%)



- Cyan (2%)
- Magenta (0%)
- Yellow (77%)
- Black (51%)




- Cyan (52%)
- Magenta (51%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6416, 0.4063, 0.4900 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 18.6416, 0.4063, 0.4900 by changing the saturation by 10% instead.


 18.6416, 0.4063,
0.4900


 18.6416, 0.4063,
0.4900


244.4630, 0.3589,
0.3998


 11.4116, 0.4151,
0.5132


 41.1276, 0.3903,
0.4558

 6.3444, 0.4274,
0.5478


 57.1524, 0.3838,
0.4432


 3.0556, 0.4243,
0.5757

 76.8776, 0.3781,
0.4328

 1.1608, 0.3988,
0.6012

 100.6875, 0.3731,
0.4240

 0.0294, 0.0000,
1.0000

 128.9666, 0.3689,
0.4166

 0.0000, 0.0000,
0.0000

 162.0993, 0.3651,


0.4102


 200.4700, 0.3618,
0.4046

 18.6416, 0.4063,
0.4900


 18.6416, 0.4063,
0.4900


 18.5742, 0.4116,
0.4998


 18.7355, 0.3986,
0.4763


 18.5253, 0.4148,
0.5061

 18.8560, 0.3887,
0.4589

 18.5098, 0.4158,
0.5080

 19.0062, 0.3770,
0.4386

 19.1883, 0.3639,
0.4162

 19.4040, 0.3501,
0.3925

■ 19.6551, 0.3359,
0.3683

■ 19.9432, 0.3218,
0.3444

■ 20.2699, 0.3082,
0.3213

■ 20.6366, 0.2952,
0.2994

Harmonies

Analogous

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



18.6416, 0.4726, 0.4350



18.6416, 0.4063, 0.4900



18.6416, 0.3207, 0.4996

Triad

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



18.6416, 0.4063, 0.4900



18.6416, 0.1573, 0.2457



18.6416, 0.3767, 0.2488

Complementary

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



18.6416, 0.4063, 0.4900



2.6244, 0.1745, 0.0987

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.



18.6416, 0.2810, 0.2090



18.6416, 0.4063, 0.4900



18.6416, 0.1671, 0.2023

Square

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



18.6416, 0.4063, 0.4900



18.6416, 0.1798, 0.3289



18.6416, 0.2081, 0.1921



18.6416, 0.4621, 0.3049

Rectangle

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



18.6416, 0.4063, 0.4900



18.6416, 0.2635, 0.4636



18.6416, 0.2081, 0.1921



18.6416, 0.3438, 0.2333

Sweetspot

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



18.6425, 0.4063, 0.4900



34.2765, 0.3457, 0.3851



5.3316, 0.5612, 0.3320



8.0424, 0.3500, 0.3924



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.



18.6425, 0.4063, 0.4900



32.6218, 0.4141, 0.5046



15.9959, 0.3438, 0.5328



4.6299, 0.3252, 0.3502



18.8174, 0.4158, 0.5080



89.7122, 0.4156, 0.5082

Inverse Universe

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



2.6244, 0.1745, 0.0987



2.9545, 0.1554, 0.0679



3.9566, 0.2359, 0.1292



3.8972, 0.2997, 0.3069



1.4962, 0.1510, 0.0606



7.0908, 0.1504, 0.0602

Previews

White Background



This preview shows how the Yxy color 18.6416, 0.4063, 0.4900 looks on a white background.

Color Contrast Check

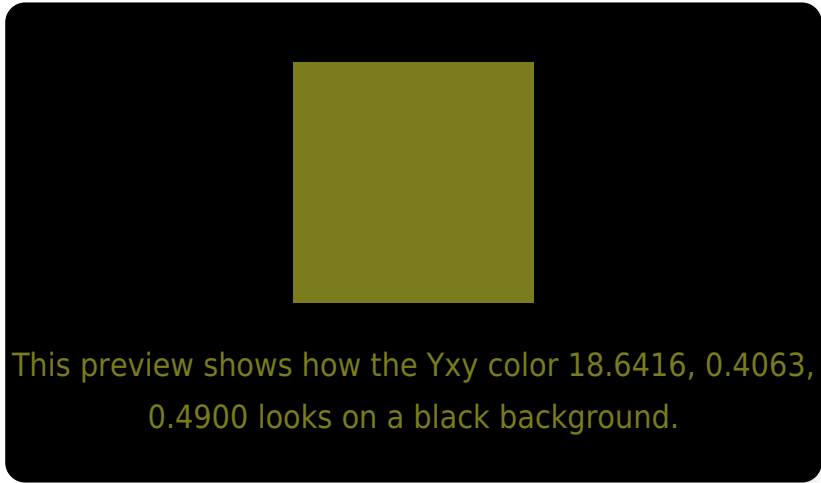
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

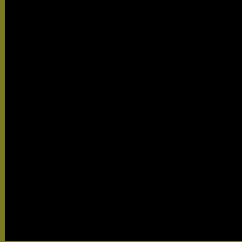
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6416, 0.4063, 0.4900

Background



This preview shows how black text looks on a background with the Yxy color 18.6416, 0.4063, 0.4900.



This preview shows how white text looks on a background with the Yxy color 18.6416, 0.4063, 0.4900.

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

18.6416, 0.4063, 0.4900

Protanopia

18.5851, 0.4281, 0.4748

Deuteranopia

18.6342, 0.4536, 0.4476



Tritanopia

18.7173, 0.3199, 0.3126

Trichromacy



Original Color

18.6416, 0.4063, 0.4900

Protanomaly

18.5044, 0.4214, 0.4797

Deuteranomaly

18.6366, 0.4364, 0.4633

Tritanomaly

18.4439, 0.3585, 0.3845

Monochromacy



Original Color

18.6416, 0.4063, 0.4900

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.0448, 0.3541, 0.4000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6416, 0.4063, 0.4900 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(122, 124, 29)` looks like.

```
.text, #text, p{  
    color:rgb(122, 124, 29)  
}
```

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(122, 124, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 124, 29) }
```

Border

The CSS property to change the border of an element to Yxy 18.6416, 0.4063, 0.4900 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(122, 124, 29) }
```

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

```
.border{ border-color:rgb(122, 124, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 124, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 124, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 124, 29);  
box-shadow:4px 4px 4px 4px rgb(122, 124,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6416, 0.4063, 0.4900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 124, 29) }
```

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

```
.background{ background-color: rgb(122,  
124, 29) }
```

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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