

Converting Colors

$Y_{xy}(18.4629, 0.4676, 0.3688)$

Have a look what the booklet for
Yxy(18.4629, 0.4676, 0.3688)
contains.

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Color

Yxy(18.4077, 0.4685, 0.3689)

Conversions

Conversions Part 1

Format	Color
Hex	B06246
RGB	176, 98, 70
RGB Percent	69%, 38%, 27%
CMY	0.3098, 0.6157, 0.7255
CMYK	0.00, 0.44, 0.60, 0.31
HSL	16°, 43%, 48%
HSV	16°, 60%, 69%
XYZ	23.3776, 18.4077, 8.1136
YIQ	118.1300, 55.4760, 7.8280

Conversions

Conversions Part 2

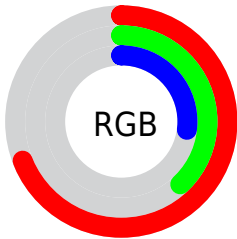
Format	Color
R_{YB}	176, 108, 70
Decimal	11559494
CIE Lab	49.99, 28.85, 29.61
CIE LCh	50, 41.338, 45.746
Yxy	18.4077, 0.4685, 0.3689
Android (android.graphics.Color)	4289749574 (0xFFB06246)
YUV	118.1300, -23.7281, 50.7520
Hunter-Lab	42.9042, 22.1787, 18.8207

Details

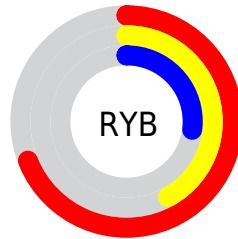
The Yxy color **18.4077, 0.4685, 0.3689** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **25.6119, 0.2290, 0.2800**, and the grayscale version is **18.2228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8068, 0.4327, 0.3641**, and **6.2733, 0.5294, 0.3721** is the 20% darker color. If you saturate the color by 10%, you get **15.9876, 0.5066, 0.3717**, and if you desaturate by 10%, it is **21.2870, 0.4327, 0.3637**.

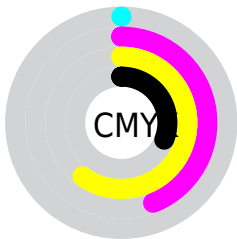
Distribution



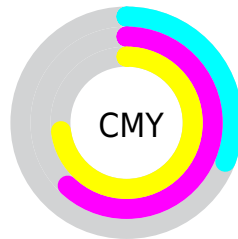
- Red (69%)
- Green (38%)
- Blue (27%)



- Red (69%)
- Yellow (42%)
- Blue (27%)



- Cyan (0%)
- Magenta (44%)
- Yellow (60%)
- Black (31%)





- Cyan (31%)
- Magenta (62%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4077, 0.4685, 0.3689 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 18.4077, 0.4685, 0.3689 by changing the saturation by 10% instead.


 18.4077, 0.4685,
0.3689


 18.4077, 0.4685,
0.3689


243.1591, 0.3789,
0.3514


 11.2431, 0.4946,
0.3709


 40.7308, 0.4331,
0.3639


 6.2306, 0.5298,
0.3708

 56.6581, 0.4206,
0.3615


 2.9858, 0.5874,
0.3705

 76.2751, 0.4104,
0.3593

 1.1243, 0.6540,
0.3460

 99.9662, 0.4020,
0.3574

 0.0000, 1.0000,
0.0000

 128.1157, 0.3948,
0.3557

 0.0000, 0.0000,
0.0000

161.1081, 0.3887,

0.3541

199.3278, 0.3835,
0.3527

■ 18.4077, 0.4685,
0.3689

■ 18.4077, 0.4685,
0.3689

■ 15.9876, 0.5066,
0.3717

■ 21.2870, 0.4327,
0.3637

■ 13.9989, 0.5442,
0.3711

■ 24.6452, 0.4007,
0.3571

■ 12.4155, 0.5776,
0.3663

■ 28.5044, 0.3731,
0.3499

■ 11.2243, 0.6040,
0.3586

■ 32.8846, 0.3495,
0.3427

■ 37.8044, 0.3297,
0.3357

■ 43.2816, 0.3131,
0.3291

■ 49.3332, 0.2991,
0.3231

■ 55.9753, 0.2874,
0.3176

■ 63.2237, 0.2775,
0.3125

Harmonies

Analogous

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



18.4077, 0.4392, 0.3120



18.4077, 0.4685, 0.3689



18.4077, 0.4490, 0.4251

Triad

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



18.4077, 0.4685, 0.3689



18.4077, 0.2486, 0.4124



18.4077, 0.2250, 0.2108

Complementary

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



18.4077, 0.4685, 0.3689



25.6119, 0.2290, 0.2800

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.



18.4077, 0.1875, 0.2201



18.4077, 0.4685, 0.3689



18.4077, 0.1984, 0.3280

Square

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



18.4077, 0.4685, 0.3689



18.4077, 0.3199, 0.4681



18.4077, 0.1782, 0.2585



18.4077, 0.2892, 0.2260

Rectangle

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



18.4077, 0.4685, 0.3689



18.4077, 0.4148, 0.4560



18.4077, 0.1782, 0.2585



18.4077, 0.2094, 0.2109

Sweetspot

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



18.4087, 0.4685, 0.3689



61.2754, 0.3454, 0.3413



15.7952, 0.3565, 0.2203



12.7557, 0.3515, 0.3433



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



18.4087, 0.4685, 0.3689



27.8232, 0.5182, 0.3720



31.3252, 0.4177, 0.4386



8.8584, 0.3281, 0.3351



8.3192, 0.6021, 0.3601



0.3594, 0.5469, 0.4040

Inverse Universe

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



25.6119, 0.2290, 0.2800



41.8313, 0.2164, 0.2673



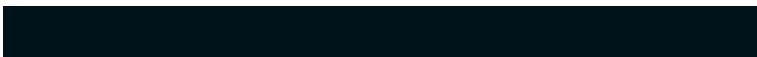
12.8924, 0.2076, 0.1835



9.2440, 0.2986, 0.3228



14.0139, 0.2006, 0.2422



0.5301, 0.2081, 0.2692

Previews

White Background



This preview shows how the Yxy color 18.4077, 0.4685, 0.3689 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 18.4077, 0.4685, 0.3689 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 18.4077, 0.4685, 0.3689

Background



This preview shows how black text looks on a background with the Yxy color 18.4077, 0.4685, 0.3689.



This preview shows how white text looks on a background with the Yxy color 18.4077, 0.4685, 0.3689.

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

18.4077, 0.4685, 0.3689

Protanopia

18.4895, 0.3772, 0.4060

Deuteranopia

18.5509, 0.4166, 0.4092



Tritanopia

18.4100, 0.4284, 0.3191

Trichromacy



Original Color

18.4077, 0.4685, 0.3689

Protanomaly

18.0799, 0.4109, 0.3912

Deuteranomaly

18.3106, 0.4363, 0.3933

Tritanomaly

18.2697, 0.4435, 0.3366

Monochromacy



Original Color

18.4077, 0.4685, 0.3689

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.7974, 0.3646, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4077, 0.4685, 0.3689 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(176, 98, 70)` looks like.

```
.text, #text, p{  
    color:rgb(176, 98, 70)  
}
```

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(176, 98, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 98, 70) }
```

Border

The CSS property to change the border of an element to Yxy 18.4077, 0.4685, 0.3689 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(176, 98, 70) }
```

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

```
.border{ border-color:rgb(176, 98, 70) }
```

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

Here you see how a box with a 4 pixel rgb(176, 98, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 98, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 98, 70);  
box-shadow:4px 4px 4px 4px rgb(176, 98,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4077, 0.4685, 0.3689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 98, 70) }
```

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

```
.background{ background-color: rgb(176, 98,  
70) }
```

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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