

Converting Colors

$Yxy(18.5036, 0.3415, 0.4687)$

Have a look what the booklet for
Yxy(18.5036, 0.3415, 0.4687)
contains.

Yxy(18.4923, 0.3407, 0.4679)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.4923, 0.3407, 0.4679)

Conversions

Conversions Part 1

Format	Color
Hex	5F813F
RGB	95, 129, 63
RGB Percent	37%, 51%, 25%
CMY	0.6276, 0.4941, 0.7529
CMYK	0.26, 0.00, 0.51, 0.49
HSL	91°, 34%, 38%
HSV	91°, 51%, 51%
XYZ	13.4651, 18.4923, 7.5645
YIQ	111.3100, 0.9220, -27.7340

Conversions

Conversions Part 2

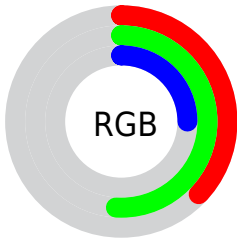
Format	Color
RYB	63, 129, 97
Decimal	6259007
CIELab	50.09, -24.21, 31.73
CIELCh	50, 39.908, 127.347
Yxy	18.4923, 0.3407, 0.4679
Android (android.graphics.Color)	4284449087 (0xFF5F813F)
YUV	111.3100, -23.8168, -14.3039
Hunter-Lab	43.0027, -19.3623, 19.6723

Details

The Yxy color **18.4923, 0.3407, 0.4679** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **7.6862, 0.2665, 0.1919**, and the grayscale version is **16.0609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8288, 0.3369, 0.4341**, and **6.2102, 0.3432, 0.5306** is the 20% darker color. If you saturate the color by 10%, you get **18.0242, 0.3434, 0.4957**, and if you desaturate by 10%, it is **19.0262, 0.3366, 0.4390**.

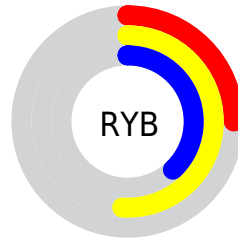
Distribution



Red (37%)

Green (51%)

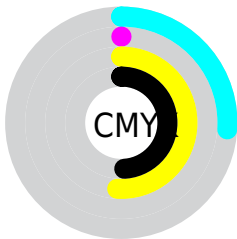
Blue (25%)



Red (25%)

Yellow (51%)

Blue (38%)

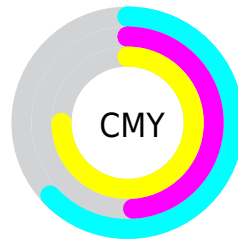


Cyan (26%)

Magenta (0%)

Yellow (51%)

Black (49%)



Cyan (63%)


Magenta (49%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4923, 0.3407, 0.4679 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 18.4923, 0.3407, 0.4679 by changing the saturation by 10% instead.


 18.4923, 0.3407,
0.4679


 18.4923, 0.3407,
0.4679


243.6314, 0.3276,
0.3848


 11.3040, 0.3424,
0.4943


 40.8744, 0.3367,
0.4337

 6.2717, 0.3424,
0.5320


 56.8370, 0.3349,
0.4222


 3.0110, 0.3489,
0.6099

 76.4932, 0.3333,
0.4128

 1.1375, 0.2926,
0.7074

 100.2274, 0.3319,
0.4052

 0.0097, 0.0000,
1.0000

 128.4239, 0.3306,
0.3988

 0.0000, 0.0000,
0.0000

 161.4671, 0.3295,

0.3934

199.7415, 0.3285,
0.3888

■ 18.4923, 0.3407,
0.4679

■ 18.4923, 0.3407,
0.4679

■ 18.0242, 0.3434,
0.4957

■ 19.0262, 0.3366,
0.4390

■ 17.6164, 0.3443,
0.5210

■ 19.6265, 0.3315,
0.4101

■ 17.2662, 0.3432,
0.5425

■ 20.2966, 0.3258,
0.3823

■ 16.9696, 0.3401,
0.5591

■ 21.0391, 0.3196,
0.3560

■ 16.7421, 0.3365,
0.5710

■ 21.8563, 0.3134,
0.3317

■ 22.7505, 0.3073,
0.3095

■ 23.7239, 0.3013,
0.2894

■ 24.7785, 0.2957,
0.2713

■ 25.9163, 0.2903,
0.2552

Harmonies

Analogous

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



18.4923, 0.4087, 0.4539



18.4923, 0.3407, 0.4679



18.4923, 0.2690, 0.4287

Triad

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



18.4923, 0.3407, 0.4679



18.4923, 0.1860, 0.2311



18.4923, 0.4188, 0.2982

Complementary

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



18.4923, 0.3407, 0.4679



7.6862, 0.2665, 0.1919

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.



18.4923, 0.3456, 0.2525



18.4923, 0.3407, 0.4679



18.4923, 0.2149, 0.2143

Square

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



18.4923, 0.3407, 0.4679



18.4923, 0.1849, 0.2772



18.4923, 0.2704, 0.2228



18.4923, 0.4600, 0.3525

Rectangle

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



18.4923, 0.3407, 0.4679



18.4923, 0.2289, 0.3786



18.4923, 0.2704, 0.2228



18.4923, 0.3965, 0.2816

Sweetspot

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



18.4931, 0.3407, 0.4679



37.0973, 0.3222, 0.3668



13.3948, 0.4148, 0.3931



8.3441, 0.3233, 0.3714



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.



18.4931, 0.3407, 0.4679



32.1741, 0.3436, 0.4991



17.1189, 0.3054, 0.4841



4.9129, 0.3184, 0.3508



16.3241, 0.3366, 0.5709



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.6862, 0.2665, 0.1919



10.5850, 0.2530, 0.1616



9.8098, 0.3183, 0.2110



4.3122, 0.3067, 0.3073



2.6952, 0.2084, 0.0922



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.4923, 0.3407, 0.4679 looks on a white background.

Color Contrast Check

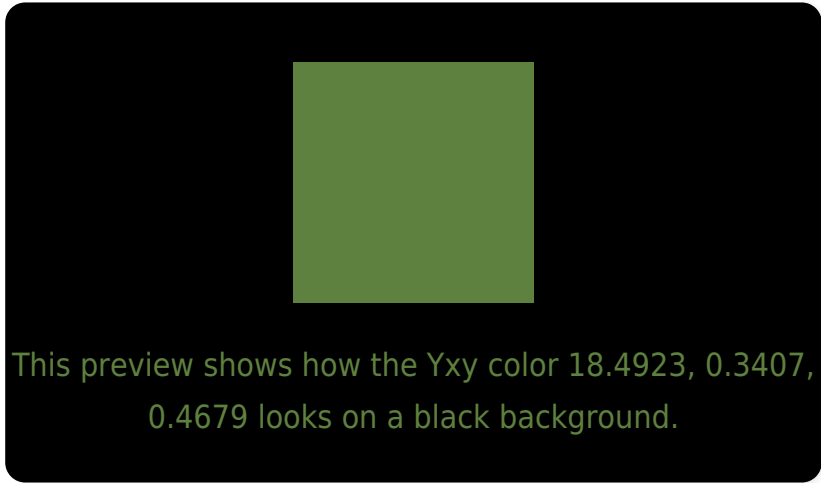
Large Text (above 18pt) WCAG AA ✓ Pass

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

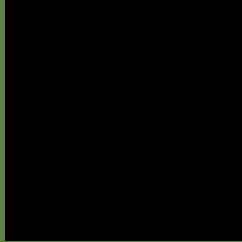
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4923, 0.3407, 0.4679

Background



This preview shows how black text looks on a background with the Yxy color 18.4923, 0.3407, 0.4679.



This preview shows how white text looks on a background with the Yxy color 18.4923, 0.3407, 0.4679.

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

18.4923, 0.3407, 0.4679

Protanopia

18.3452, 0.3989, 0.4363

Deuteranopia

18.2352, 0.4162, 0.4081



Tritanopia

18.5610, 0.2832, 0.3114

Trichromacy



Original Color

18.4923, 0.3407, 0.4679

Protanomaly

18.3544, 0.3765, 0.4488

Deuteranomaly

18.0990, 0.3869, 0.4287

Tritanomaly

18.4745, 0.3050, 0.3682

Monochromacy



Original Color

18.4923, 0.3407, 0.4679

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.7683, 0.3243, 0.3797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4923, 0.3407, 0.4679 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(95, 129, 63)` looks like.

```
.text, #text, p{  
    color:rgb(95, 129, 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(95, 129, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 129, 63) }
```

Border

The CSS property to change the border of an element to Yxy 18.4923, 0.3407, 0.4679 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(95, 129, 63) }
```

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

```
.border{ border-color:rgb(95, 129, 63) }
```

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

Here you see how a box with a 4 pixel rgb(95, 129, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 129, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 129, 63);  
box-shadow:4px 4px 4px 4px rgb(95, 129,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4923, 0.3407, 0.4679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 129, 63) }
```

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

```
.background{ background-color: rgb(95, 129,  
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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