

Converting Colors

$Y_{xy}(18.9034, 0.3473, 0.5045)$

Have a look what the booklet for
Yxy(18.9034, 0.3473, 0.5045)
contains.

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Color

Yxy(18.9239, 0.3479, 0.5042)

Conversions

Conversions Part 1

Format	Color
Hex	5B842E
RGB	91, 132, 46
RGB Percent	36%, 52%, 18%
CMY	0.6432, 0.4823, 0.8195
CMYK	0.31, 0.00, 0.65, 0.48
HSL	89°, 48%, 35%
HSV	89°, 65%, 52%
XYZ	13.0576, 18.9239, 5.5511
YIQ	109.9370, 3.1700, -35.4380

Conversions

Conversions Part 2

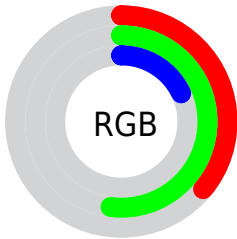
Format	Color
R_{YB}	46, 132, 87
Decimal	5997614
CIE _{Lab}	50.60, -29.07, 40.66
CIE _{LCh}	51, 49.984, 125.556
Yxy	18.9239, 0.3479, 0.5042
Android (android.graphics.Color)	4284187694 (0xFF5B842E)
YUV	109.9370, -31.5209, -16.6077
Hunter-Lab	43.5016, -22.5488, 22.8854

Details

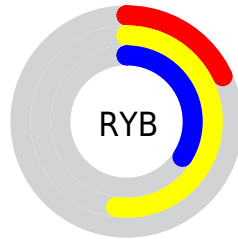
The Yxy color **18.9239, 0.3479, 0.5042** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.6502, 0.2442, 0.1520**, and the grayscale version is **15.6651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4717, 0.3445, 0.4614**, and **6.4857, 0.3407, 0.5677** is the 20% darker color. If you saturate the color by 10%, you get **18.5294, 0.3485, 0.5275**, and if you desaturate by 10%, it is **19.3790, 0.3454, 0.4778**.

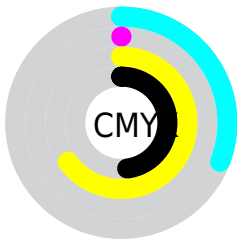
Distribution



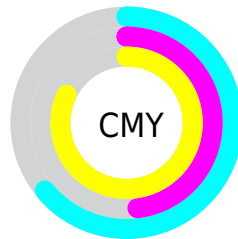
- Red (36%)
- Green (52%)
- Blue (18%)



- Red (18%)
- Yellow (52%)
- Blue (34%)



- Cyan (31%)
- Magenta (0%)
- Yellow (65%)
- Black (48%)





- Cyan (64%)
- Magenta (48%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9239, 0.3479, 0.5042 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 18.9239, 0.3479, 0.5042 by changing the saturation by 10% instead.


 18.9239, 0.3479,
0.5042

 18.9239, 0.3479,
0.5042


246.0283, 0.3331,
0.4000


 11.6153, 0.3482,
0.5360


 41.6055, 0.3443,
0.4619

 6.4823, 0.3447,
0.5797


 57.7472, 0.3423,
0.4474


 3.1405, 0.3403,
0.6597

 77.6022, 0.3403,
0.4356

 1.2055, 0.2518,
0.7482

 101.5547, 0.3386,
0.4260

 0.0662, 0.0000,
1.0000

 129.9892, 0.3370,
0.4179

 0.0000, 0.0000,
0.0000

 163.2900, 0.3356,

0.4110

201.8416, 0.3343,
0.4051

■ 18.9239, 0.3479,
0.5042

■ 18.9239, 0.3479,
0.5042

■ 18.5294, 0.3485,
0.5275

■ 19.3790, 0.3454,
0.4778

■ 18.1893, 0.3470,
0.5465

■ 19.8954, 0.3412,
0.4497

■ 17.8992, 0.3435,
0.5606

■ 20.4770, 0.3359,
0.4211

■ 17.7702, 0.3416,
0.5669

■ 21.1266, 0.3297,
0.3930

■ 21.8467, 0.3230,
0.3662

■ 22.6397, 0.3162,
0.3411

■ 23.5081, 0.3094,
0.3180

■ 24.4539, 0.3028,
0.2970

■ 25.4792, 0.2965,
0.2780

Harmonies

Analogous

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



18.9239, 0.4298, 0.4759



18.9239, 0.3479, 0.5042



18.9239, 0.2614, 0.4616

Triad

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



18.9239, 0.3479, 0.5042



18.9239, 0.1608, 0.2117



18.9239, 0.4396, 0.2864

Complementary

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



18.9239, 0.3479, 0.5042



5.6502, 0.2442, 0.1520

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.



18.9239, 0.3463, 0.2343



18.9239, 0.3479, 0.5042



18.9239, 0.1920, 0.1921

Square

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



18.9239, 0.3479, 0.5042



18.9239, 0.1606, 0.2671



18.9239, 0.2553, 0.2011



18.9239, 0.4931, 0.3487

Rectangle

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



18.9239, 0.3479, 0.5042



18.9239, 0.2130, 0.3970



18.9239, 0.2553, 0.2011



18.9239, 0.4109, 0.2674

Sweetspot

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



18.9247, 0.3479, 0.5042



37.7899, 0.3266, 0.3803



11.7825, 0.4558, 0.4023



8.7283, 0.3282, 0.3868



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.9247, 0.3479, 0.5042



32.3488, 0.3480, 0.5368



17.3518, 0.3054, 0.5295



5.3156, 0.3189, 0.3509



17.2075, 0.3417, 0.5669



0.0640, 0.3749, 0.5405

Inverse Universe

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



5.6502, 0.2442, 0.1520



7.0711, 0.2249, 0.1187



8.2998, 0.3145, 0.1836



4.6454, 0.3060, 0.3071



2.6388, 0.2008, 0.0880



0.0134, 0.2497, 0.1149

Previews

White Background



This preview shows how the Yxy color 18.9239, 0.3479, 0.5042 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 18.9239, 0.3479, 0.5042 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 18.9239, 0.3479, 0.5042

Background



This preview shows how black text looks on a background with the Yxy color 18.9239, 0.3479, 0.5042.



This preview shows how white text looks on a background with the Yxy color 18.9239, 0.3479, 0.5042.

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

18.9239, 0.3479, 0.5042

Protanopia

18.6757, 0.4178, 0.4594

Deuteranopia

18.6721, 0.4370, 0.4287



Tritanopia

18.7429, 0.2792, 0.3094

Trichromacy



Original Color

18.9239, 0.3479, 0.5042

Protanomaly

18.4487, 0.3908, 0.4764

Deuteranomaly

18.4942, 0.4025, 0.4562

Tritanomaly

18.5139, 0.3079, 0.3812

Monochromacy



Original Color

18.9239, 0.3479, 0.5042

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.5286, 0.3300, 0.3954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9239, 0.3479, 0.5042 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(91, 132, 46)` looks like.

```
.text, #text, p{  
    color:rgb(91, 132, 46)  
}
```

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(91, 132, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 132, 46) }
```

Border

The CSS property to change the border of an element to Yxy 18.9239, 0.3479, 0.5042 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(91, 132, 46) }
```

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

```
.border{ border-color:rgb(91, 132, 46) }
```

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

Here you see how a box with a 4 pixel rgb(91, 132, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 132, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 132, 46);  
box-shadow:4px 4px 4px 4px rgb(91, 132,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9239, 0.3479, 0.5042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 132, 46) }
```

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

```
.background{ background-color: rgb(91, 132,  
46) }
```

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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