

Converting Colors

$Y_{xy}(19.2686, 0.3107, 0.4235)$

Have a look what the booklet for
Yxy(19.2686, 0.3107, 0.4235)
contains.

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Color

Yxy(19.3643, 0.3114, 0.4250)

Conversions

Conversions Part 1

Format	Color
Hex	5A8457
RGB	90, 132, 87
RGB Percent	35%, 52%, 34%
CMY	0.6471, 0.4823, 0.6588
CMYK	0.32, 0.00, 0.34, 0.48
HSL	116°, 21%, 43%
HSV	116°, 34%, 52%
XYZ	14.1883, 19.3643, 12.0104
YIQ	114.3120, -10.5870, -22.8990

Conversions

Conversions Part 2

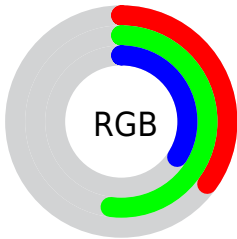
Format	Color
R_{YB}	87, 132, 129
Decimal	5932119
CIE _{Lab}	51.11, -24.03, 19.79
CIE _{LCh}	51, 31.133, 140.529
Yxy	19.3643, 0.3114, 0.4250
Android (android.graphics.Color)	4284122199 (0xFF5A8457)
YUV	114.3120, -13.4648, -21.3216
Hunter-Lab	44.0049, -19.4554, 14.6212

Details

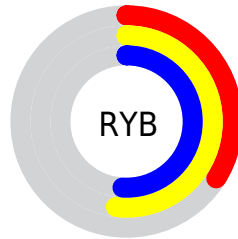
The Yxy color **19.3643, 0.3114, 0.4250** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.1544, 0.3122, 0.2469**, and the grayscale version is **16.9701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1668, 0.3126, 0.4012**, and **6.6869, 0.3075, 0.4703** is the 20% darker color. If you saturate the color by 10%, you get **18.6010, 0.3105, 0.4585**, and if you desaturate by 10%, it is **20.2712, 0.3120, 0.3934**.

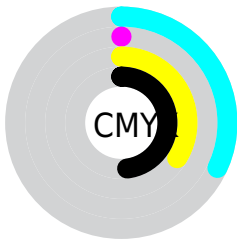
Distribution



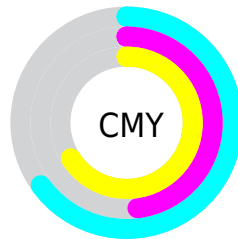
- Red (35%)
- Green (52%)
- Blue (34%)



- Red (34%)
- Yellow (52%)
- Blue (51%)



- Cyan (32%)
- Magenta (0%)
- Yellow (34%)
- Black (48%)



- Cyan (65%)
- Magenta (48%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3643, 0.3114, 0.4250 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 19.3643, 0.3114, 0.4250 by changing the saturation by 10% instead.


 19.3643, 0.3114,
0.4250


 19.3643, 0.3114,
0.4250


248.4526, 0.3135,
0.3676

 11.9338, 0.3099,
0.4437


 42.3488, 0.3128,
0.4013

 6.6986, 0.3069,
0.4711


 58.6716, 0.3131,
0.3933

 3.2743, 0.3003,
0.5149

 78.7272, 0.3133,
0.3869

 1.2766, 0.3133,
0.6867

 102.9002, 0.3134,
0.3817

 0.1230, 0.0000,
1.0000

 131.5748, 0.3135,
0.3773

 0.0000, 0.0000,
0.0000

165.1354, 0.3135,

0.3736

203.9666, 0.3135,
0.3704

■ 19.3643, 0.3114,
0.4250

■ 19.3643, 0.3114,
0.4250

■ 18.6010, 0.3105,
0.4585

■ 20.2712, 0.3120,
0.3934

■ 17.9716, 0.3093,
0.4925

■ 21.3260, 0.3124,
0.3645

■ 17.4692, 0.3078,
0.5250

■ 22.5357, 0.3127,
0.3387

■ 17.0850, 0.3061,
0.5536

■ 23.9063, 0.3127,
0.3159

■ 16.8095, 0.3043,
0.5762

■ 25.4433, 0.3127,
0.2960

■ 16.6308, 0.3025,
0.5913

■ 27.1521, 0.3126,
0.2787

■ 16.5596, 0.3021,
0.5983

■ 29.0377, 0.3124,
0.2637

■ 31.1051, 0.3122,
0.2508

■ 33.3589, 0.3120,
0.2396

Harmonies

Analogous

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



19.3643, 0.3678, 0.4343



19.3643, 0.3114, 0.4250



19.3643, 0.2582, 0.3803

Triad

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



19.3643, 0.3114, 0.4250



19.3643, 0.2193, 0.2435



19.3643, 0.4121, 0.3250

Complementary

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



19.3643, 0.3114, 0.4250



13.1544, 0.3122, 0.2469

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.



19.3643, 0.3648, 0.2836



19.3643, 0.3114, 0.4250



19.3643, 0.2530, 0.2382

Square

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



19.3643, 0.3114, 0.4250



19.3643, 0.2084, 0.2713



19.3643, 0.3052, 0.2528



19.3643, 0.4292, 0.3703

Rectangle

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



19.3643, 0.3114, 0.4250



19.3643, 0.2314, 0.3405



19.3643, 0.3052, 0.2528



19.3643, 0.3990, 0.3104

Sweetspot

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



19.3651, 0.3114, 0.4250



38.3528, 0.3126, 0.3542



21.2956, 0.3635, 0.4056



8.8710, 0.3125, 0.3574



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.



19.3651, 0.3114, 0.4250



33.0348, 0.3107, 0.4511



19.5816, 0.2895, 0.3827



5.2184, 0.3126, 0.3513



16.0341, 0.3021, 0.5983



0.0564, 0.3118, 0.5907

Inverse Universe

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



13.1544, 0.3122, 0.2469



20.3333, 0.3117, 0.2285



12.9064, 0.3458, 0.2811



4.7476, 0.3127, 0.3075



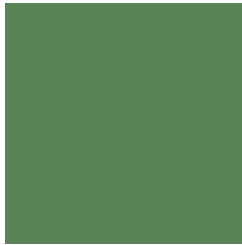
5.7098, 0.3048, 0.1453



0.0210, 0.3134, 0.1500

Previews

White Background



This preview shows how the Yxy color 19.3643, 0.3114, 0.4250 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 19.3643, 0.3114, 0.4250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

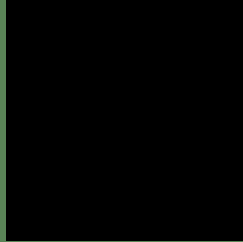
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3643, 0.3114, 0.4250

Background



This preview shows how black text looks on a background with the Yxy color 19.3643, 0.3114, 0.4250.



This preview shows how white text looks on a background with the Yxy color 19.3643, 0.3114, 0.4250.

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

19.3643, 0.3114, 0.4250

Protanopia

19.1246, 0.3713, 0.3999

Deuteranopia

19.0686, 0.3821, 0.3752



Tritanopia

19.3519, 0.2727, 0.3095

Trichromacy



Original Color

19.3643, 0.3114, 0.4250

Protanomaly

19.0203, 0.3480, 0.4102

Deuteranomaly

18.9254, 0.3542, 0.3926

Tritanomaly

19.2331, 0.2872, 0.3493

Monochromacy



Original Color

19.3643, 0.3114, 0.4250

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.6775, 0.3123, 0.3641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3643, 0.3114, 0.4250 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(90, 132, 87)` looks like.

```
.text, #text, p{  
    color:rgb(90, 132, 87)  
}
```

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(90, 132, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 132, 87) }
```

Border

The CSS property to change the border of an element to Yxy 19.3643, 0.3114, 0.4250 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(90, 132, 87) }
```

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

```
.border{ border-color:rgb(90, 132, 87) }
```

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

Here you see how a box with a 4 pixel rgb(90, 132, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 132, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 132, 87);  
box-shadow:4px 4px 4px 4px rgb(90, 132,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3643, 0.3114, 0.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 132, 87) }
```

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

```
.background{ background-color: rgb(90, 132,  
87) }
```

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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