

Converting Colors

$Y_{xy}(24.9549, 0.3138, 0.5109)$

Have a look what the booklet for
Yxy(24.9549, 0.3138, 0.5109)
contains.

Yxy(24.9549, 0.3138, 0.5109)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.9549, 0.3138, 0.5109)

Conversions

Conversions Part 1

Format	Color
Hex	4B9A3E
RGB	75, 154, 62
RGB Percent	29%, 60%, 24%
CMY	0.7058, 0.3961, 0.7570
CMYK	0.51, 0.00, 0.60, 0.40
HSL	111°, 43%, 42%
HSV	111°, 60%, 60%
XYZ	15.3276, 24.9549, 8.5625
YIQ	119.8910, -17.5520, -45.3600

Conversions

Conversions Part 2

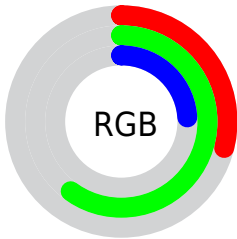
Format	Color
RYB	62, 154, 141
Decimal	4954686
CIELab	57.03, -42.64, 40.23
CIELCh	57, 58.620, 136.663
Yxy	24.9549, 0.3138, 0.5109
Android (android.graphics.Color)	4283144766 (0xFF4B9A3E)
YUV	119.8910, -28.5403, -39.3694
Hunter-Lab	49.9549, -32.6522, 24.8058

Details

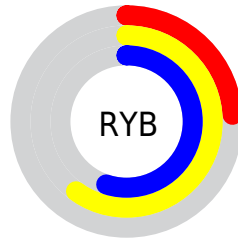
The Yxy color **24.9549, 0.3138, 0.5109** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **11.4344, 0.3000, 0.1851**, and the grayscale version is **18.8444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5390, 0.3173, 0.4675**, and **9.5719, 0.3006, 0.5877** is the 20% darker color. If you saturate the color by 10%, you get **24.3313, 0.3121, 0.5411**, and if you desaturate by 10%, it is **25.7392, 0.3148, 0.4779**.

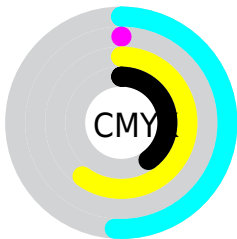
Distribution



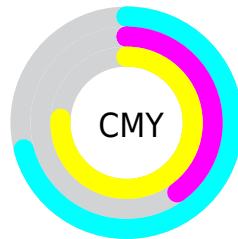
- Red (29%)
- Green (60%)
- Blue (24%)



- Red (24%)
- Yellow (60%)
- Blue (55%)



- Cyan (51%)
- Magenta (0%)
- Yellow (60%)
- Black (40%)




- Cyan (71%)
- Magenta (40%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9549, 0.3138, 0.5109 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 24.9549, 0.3138, 0.5109 by changing the saturation by 10% instead.


 24.9549, 0.3138,
0.5109


 24.9549, 0.3138,
0.5109

277.6133, 0.3186,
0.4044


 16.0435, 0.3093,
0.5430


 51.5840, 0.3176,
0.4681

 9.5549, 0.3005,
0.5872


 70.0705, 0.3183,
0.4533

 5.1049, 0.2853,
0.6573

 92.5175, 0.3186,
0.4413

 2.3089, 0.2455,
0.7545

 119.3093, 0.3188,
0.4313

 0.7784, 0.0000,
1.0000

 150.8304, 0.3188,
0.4230

 0.0000, 0.0000,
0.0000

 187.4652, 0.3188,

0.4158

229.5980, 0.3187,
0.4097

■ 24.9549, 0.3138,
0.5109

■ 24.9549, 0.3138,
0.5109

■ 24.3313, 0.3121,
0.5411

■ 25.7392, 0.3148,
0.4779

■ 23.8543, 0.3098,
0.5662

■ 26.6911, 0.3152,
0.4442

■ 23.5122, 0.3070,
0.5844

■ 27.8208, 0.3151,
0.4115

■ 23.2848, 0.3045,
0.5962

■ 29.1368, 0.3145,
0.3810

■ 23.2803, 0.3045,
0.5965

■ 30.6471, 0.3137,
0.3532

■ 32.3591, 0.3127,
0.3284

■ 34.2799, 0.3116,
0.3066

■ 36.4162, 0.3104,
0.2874

■ 38.7746, 0.3093,
0.2707

Harmonies

Analogous

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



24.9549, 0.4049, 0.5022



24.9549, 0.3138, 0.5109



24.9549, 0.2272, 0.4355

Triad

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



24.9549, 0.3138, 0.5109



24.9549, 0.1611, 0.1933



24.9549, 0.4765, 0.3064

Complementary

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



24.9549, 0.3138, 0.5109



11.4344, 0.3000, 0.1851

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.



24.9549, 0.3872, 0.2472



24.9549, 0.3138, 0.5109



24.9549, 0.2056, 0.1851

Square

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



24.9549, 0.3138, 0.5109



24.9549, 0.1487, 0.2357



24.9549, 0.2844, 0.2044



24.9549, 0.5090, 0.3734

Rectangle

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



24.9549, 0.3138, 0.5109



24.9549, 0.1845, 0.3585



24.9549, 0.2844, 0.2044



24.9549, 0.4514, 0.2855

Sweetspot

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



24.9560, 0.3138, 0.5109



53.2898, 0.3144, 0.3770



26.0316, 0.4072, 0.4491



11.9027, 0.3146, 0.3850



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



24.9560, 0.3138, 0.5109



43.8495, 0.3113, 0.5510



24.9464, 0.2823, 0.4524



6.9655, 0.3136, 0.3518



18.9768, 0.3048, 0.5962



0.2932, 0.3238, 0.5811

Inverse Universe

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



11.4344, 0.3000, 0.1851



16.9160, 0.2954, 0.1609



11.7128, 0.3718, 0.2348



6.2793, 0.3116, 0.3069



5.9200, 0.2861, 0.1350



0.0992, 0.3028, 0.1441

Previews

White Background



This preview shows how the Yxy color 24.9549, 0.3138, 0.5109 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 24.9549, 0.3138, 0.5109 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 24.9549, 0.3138, 0.5109

Background



This preview shows how black text looks on a background with the Yxy color 24.9549, 0.3138, 0.5109.



This preview shows how white text looks on a background with the Yxy color 24.9549, 0.3138, 0.5109.

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

24.9549, 0.3138, 0.5109

Protanopia

24.4830, 0.4115, 0.4516

Deuteranopia

24.6104, 0.4260, 0.4195



Tritanopia

24.7265, 0.2559, 0.3073

Trichromacy



Original Color

24.9549, 0.3138, 0.5109

Protanomaly

24.1716, 0.3699, 0.4761

Deuteranomaly

23.9269, 0.3805, 0.4541

Tritanomaly

24.6112, 0.2780, 0.3795

Monochromacy



Original Color

24.9549, 0.3138, 0.5109

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

20.3464, 0.3152, 0.3956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9549, 0.3138, 0.5109 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(75, 154, 62)` looks like.

```
.text, #text, p{  
    color:rgb(75, 154, 62)  
}
```

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(75, 154, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 154, 62) }
```

Border

The CSS property to change the border of an element to Yxy 24.9549, 0.3138, 0.5109 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(75, 154, 62) }
```

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

```
.border{ border-color:rgb(75, 154, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 154, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 154, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 154, 62);  
box-shadow:4px 4px 4px 4px rgb(75, 154,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9549, 0.3138, 0.5109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 154, 62) }
```

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

```
.background{ background-color: rgb(75, 154,  
62) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor