

Converting Colors

$Y_{xy}(23.3400, 0.3109, 0.5170)$

Have a look what the booklet for
Yxy(23.3400, 0.3109, 0.5170)
contains.

Yxy(23.3471, 0.3111, 0.5169)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.3471, 0.3111, 0.5169)

Conversions

Conversions Part 1

Format	Color
Hex	44963A
RGB	68, 150, 58
RGB Percent	27%, 59%, 23%
CMY	0.7335, 0.4117, 0.7725
CMYK	0.55, 0.00, 0.61, 0.41
HSL	114°, 44%, 41%
HSV	114°, 61%, 59%
XYZ	14.0516, 23.3471, 7.7688
YIQ	114.9940, -19.3400, -45.9960

Conversions

Conversions Part 2

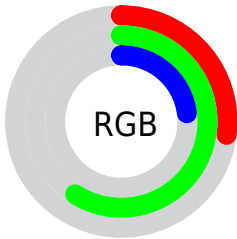
Format	Color
RYB	58, 150, 140
Decimal	4494906
CIELab	55.43, -43.50, 40.20
CIELCh	55, 59.228, 137.256
Yxy	23.3471, 0.3111, 0.5169
Android (android.graphics.Color)	4282684986 (0xFF44963A)
YUV	114.9940, -28.0980, -41.2137
Hunter-Lab	48.3188, -32.6483, 24.2904

Details

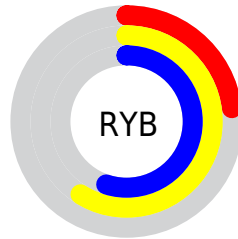
The Yxy color **23.3471, 0.3111, 0.5169** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **10.8089, 0.3042, 0.1843**, and the grayscale version is **17.2308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9563, 0.3158, 0.4727**, and **8.7419, 0.2989, 0.5960** is the 20% darker color. If you saturate the color by 10%, you get **22.7900, 0.3093, 0.5466**, and if you desaturate by 10%, it is **24.0604, 0.3124, 0.4839**.

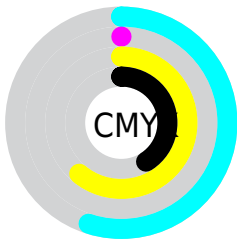
Distribution



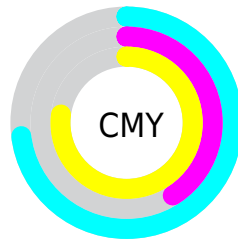
- Red (27%)
- Green (59%)
- Blue (23%)



- Red (23%)
- Yellow (59%)
- Blue (55%)



- Cyan (55%)
- Magenta (0%)
- Yellow (61%)
- Black (41%)




- Cyan (73%)
- Magenta (41%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.3471, 0.3111, 0.5169 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 23.3471, 0.3111, 0.5169 by changing the saturation by 10% instead.


 23.3471, 0.3111,
0.5169


 23.3471, 0.3111,
0.5169

269.5028, 0.3177,
0.4057


 14.8500, 0.3057,
0.5510


 48.9626, 0.3158,
0.4718


 8.7142, 0.2953,
0.5983


 66.8499, 0.3167,
0.4563


 4.5552, 0.2804,
0.6815

 88.6360, 0.3173,
0.4438


 1.9887, 0.2202,
0.7798

 114.7053, 0.3176,
0.4335

 0.6009, 0.0000,
1.0000

 145.4422, 0.3177,
0.4248

 0.0000, 0.0000,
0.0000

 181.2312, 0.3178,

0.4175

222.4566, 0.3178,
0.4112

■ 23.3471, 0.3111,
0.5169

■ 23.3471, 0.3111,
0.5169

■ 22.7900, 0.3093,
0.5466

■ 24.0604, 0.3124,
0.4839

■ 22.3746, 0.3072,
0.5708

■ 24.9374, 0.3132,
0.4499

■ 22.0887, 0.3048,
0.5877

■ 25.9884, 0.3135,
0.4168

■ 21.9274, 0.3032,
0.5975

■ 27.2222, 0.3135,
0.3857

■ 28.6470, 0.3133,
0.3574

■ 30.2704, 0.3128,
0.3321

■ 32.0996, 0.3122,
0.3099

■ 34.1416, 0.3115,
0.2905

■ 36.4028, 0.3108,
0.2736

Harmonies

Analogous

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



23.3471, 0.4047, 0.5079



23.3471, 0.3111, 0.5169



23.3471, 0.2228, 0.4372

Triad

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



23.3471, 0.3111, 0.5169



23.3471, 0.1579, 0.1891



23.3471, 0.4832, 0.3065

Complementary

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



23.3471, 0.3111, 0.5169



10.8089, 0.3042, 0.1843

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.



23.3471, 0.3916, 0.2460



23.3471, 0.3111, 0.5169



23.3471, 0.2039, 0.1816

Square

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



23.3471, 0.3111, 0.5169



23.3471, 0.1445, 0.2313



23.3471, 0.2852, 0.2019



23.3471, 0.5148, 0.3748

Rectangle

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



23.3471, 0.3111, 0.5169



23.3471, 0.1796, 0.3567



23.3471, 0.2852, 0.2019



23.3471, 0.4576, 0.2851

Sweetspot

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



23.3481, 0.3111, 0.5169



48.7487, 0.3135, 0.3770



25.3350, 0.4064, 0.4552



10.6619, 0.3135, 0.3847



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



23.3481, 0.3111, 0.5169



39.8831, 0.3085, 0.5574



23.5100, 0.2797, 0.4492



6.4967, 0.3132, 0.3517



18.1917, 0.3034, 0.5973



0.2285, 0.3188, 0.5851

Inverse Universe

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



10.8089, 0.3042, 0.1843



15.6995, 0.3008, 0.1612



10.7430, 0.3797, 0.2375



5.8777, 0.3121, 0.3071



6.0228, 0.2944, 0.1396



0.0811, 0.3084, 0.1473

Previews

White Background



This preview shows how the Yxy color 23.3471, 0.3111, 0.5169 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 23.3471, 0.3111, 0.5169 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 23.3471, 0.3111, 0.5169

Background



This preview shows how black text looks on a background with the Yxy color 23.3471, 0.3111, 0.5169.



This preview shows how white text looks on a background with the Yxy color 23.3471, 0.3111, 0.5169.

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

23.3471, 0.3111, 0.5169

Protanopia

22.9626, 0.4137, 0.4539

Deuteranopia

22.9847, 0.4277, 0.4217



Tritanopia

23.3915, 0.2535, 0.3085

Trichromacy



Original Color

23.3471, 0.3111, 0.5169

Protanomaly

22.5926, 0.3697, 0.4802

Deuteranomaly

22.2649, 0.3795, 0.4583

Tritanomaly

23.0039, 0.2757, 0.3812

Monochromacy



Original Color

23.3471, 0.3111, 0.5169

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.8432, 0.3139, 0.4003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3471, 0.3111, 0.5169 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(68, 150, 58)` looks like.

```
.text, #text, p{  
    color:rgb(68, 150, 58)  
}
```

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(68, 150, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 150, 58) }
```

Border

The CSS property to change the border of an element to Yxy 23.3471, 0.3111, 0.5169 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(68, 150, 58) }
```

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

```
.border{ border-color:rgb(68, 150, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 150, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 150, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 150, 58);  
box-shadow:4px 4px 4px 4px rgb(68, 150,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3471, 0.3111, 0.5169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 150, 58) }
```

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

```
.background{ background-color: rgb(68, 150,  
58) }
```

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