

Converting Colors

$Y_{xy}(23.9372, 0.3144, 0.5071)$

Have a look what the booklet for
Yxy(23.9372, 0.3144, 0.5071)
contains.

Yxy(23.9769, 0.3142, 0.5078)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.9769, 0.3142, 0.5078)

Conversions

Conversions Part 1

Format	Color
Hex	4B973E
RGB	75, 151, 62
RGB Percent	29%, 59%, 24%
CMY	0.7060, 0.4078, 0.7568
CMYK	0.50, 0.00, 0.59, 0.41
HSL	111°, 42%, 42%
HSV	111°, 59%, 59%
XYZ	14.8356, 23.9769, 8.4047
YIQ	118.1300, -16.7270, -43.7910

Conversions

Conversions Part 2

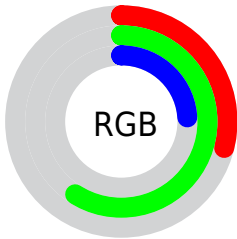
Format	Color
RYB	62, 151, 138
Decimal	4953918
CIELab	56.06, -41.41, 39.09
CIElCh	56, 56.950, 136.650
Yxy	23.9769, 0.3142, 0.5078
Android (android.graphics.Color)	4283143998 (0xFF4B973E)
YUV	118.1300, -27.6721, -37.8250
Hunter-Lab	48.9662, -31.6094, 24.0997

Details

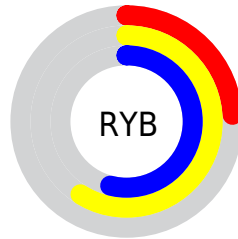
The Yxy color **23.9769, 0.3142, 0.5078** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **11.0892, 0.2998, 0.1868**, and the grayscale version is **18.2497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0583, 0.3183, 0.4659**, and **9.0146, 0.3016, 0.5847** is the 20% darker color. If you saturate the color by 10%, you get **23.3662, 0.3126, 0.5383**, and if you desaturate by 10%, it is **24.7412, 0.3151, 0.4747**.

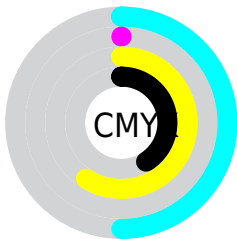
Distribution



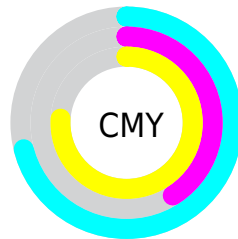
- Red (29%)
- Green (59%)
- Blue (24%)



- Red (24%)
- Yellow (59%)
- Blue (54%)



- Cyan (50%)
- Magenta (0%)
- Yellow (59%)
- Black (41%)




- Cyan (71%)
- Magenta (41%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9769, 0.3142, 0.5078 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 23.9769, 0.3142, 0.5078 by changing the saturation by 10% instead.


 23.9769, 0.3142,
0.5078


 23.9769, 0.3142,
0.5078


272.7037, 0.3185,
0.4026


 15.3165, 0.3098,
0.5399


 49.9925, 0.3178,
0.4653


 9.0418, 0.3012,
0.5844


 68.1165, 0.3184,
0.4507


 4.7685, 0.2868,
0.6569

 90.1638, 0.3187,
0.4388

 2.1121, 0.2434,
0.7566

 116.5188, 0.3188,
0.4290

 0.6714, 0.0000,
1.0000

 147.5659, 0.3188,
0.4208

 0.0000, 0.0000,
0.0000

 183.6894, 0.3188,

0.4138

225.2739, 0.3187,
0.4078

■ 23.9769, 0.3142,
0.5078

■ 23.9769, 0.3142,
0.5078

■ 23.3662, 0.3126,
0.5383

■ 24.7412, 0.3151,
0.4747

■ 22.8958, 0.3103,
0.5639

■ 25.6655, 0.3154,
0.4412

■ 22.5549, 0.3076,
0.5828

■ 26.7592, 0.3152,
0.4087

■ 22.3255, 0.3049,
0.5951

■ 28.0306, 0.3146,
0.3785

■ 22.3060, 0.3047,
0.5963

■ 29.4869, 0.3137,
0.3510

■ 31.1352, 0.3126,
0.3265

■ 32.9822, 0.3114,
0.3049

■ 35.0343, 0.3102,
0.2860

■ 37.2974, 0.3090,
0.2695

Harmonies

Analogous

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



23.9769, 0.4041, 0.4999



23.9769, 0.3142, 0.5078



23.9769, 0.2286, 0.4337

Triad

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



23.9769, 0.3142, 0.5078



23.9769, 0.1628, 0.1951



23.9769, 0.4740, 0.3069

Complementary

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



23.9769, 0.3142, 0.5078



11.0892, 0.2998, 0.1868

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.



23.9769, 0.3861, 0.2483



23.9769, 0.3142, 0.5078



23.9769, 0.2070, 0.1868

Square

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



23.9769, 0.3142, 0.5078



23.9769, 0.1506, 0.2372



23.9769, 0.2848, 0.2059



23.9769, 0.5063, 0.3733

Rectangle

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



23.9769, 0.3142, 0.5078



23.9769, 0.1863, 0.3582



23.9769, 0.2848, 0.2059



23.9769, 0.4493, 0.2862

Sweetspot

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



23.9779, 0.3142, 0.5078



50.3346, 0.3145, 0.3768



25.0070, 0.4058, 0.4476



11.2916, 0.3147, 0.3847



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.9779, 0.3142, 0.5078



41.5200, 0.3119, 0.5479



23.9533, 0.2826, 0.4501



6.9666, 0.3137, 0.3518



18.9824, 0.3050, 0.5961



0.2935, 0.3244, 0.5806

Inverse Universe

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



11.0892, 0.2998, 0.1868



16.1596, 0.2952, 0.1623



11.3791, 0.3705, 0.2359



6.2781, 0.3115, 0.3069



5.8826, 0.2852, 0.1345



0.0988, 0.3023, 0.1439

Previews

White Background



This preview shows how the Yxy color 23.9769, 0.3142, 0.5078 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 23.9769, 0.3142, 0.5078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

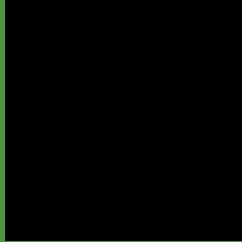
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9769, 0.3142, 0.5078

Background



This preview shows how black text looks on a background with the Yxy color 23.9769, 0.3142, 0.5078.



This preview shows how white text looks on a background with the Yxy color 23.9769, 0.3142, 0.5078.

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

23.9769, 0.3142, 0.5078

Protanopia

23.7352, 0.4109, 0.4503

Deuteranopia

23.5009, 0.4252, 0.4169



Tritanopia

23.9731, 0.2568, 0.3088

Trichromacy



Original Color

23.9769, 0.3142, 0.5078

Protanomaly

23.2095, 0.3708, 0.4731

Deuteranomaly

22.9072, 0.3802, 0.4512

Tritanomaly

23.5853, 0.2783, 0.3783

Monochromacy



Original Color

23.9769, 0.3142, 0.5078

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.6719, 0.3142, 0.3945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9769, 0.3142, 0.5078 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, 151, 62)` looks like.

```
.text, #text, p{  
    color:rgb(75, 151, 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, 151, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 151, 62) }
```

Border

The CSS property to change the border of an element to Yxy 23.9769, 0.3142, 0.5078 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, 151, 62) }
```

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

```
.border{ border-color:rgb(75, 151, 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, 151, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 151, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 151, 62);  
box-shadow:4px 4px 4px 4px rgb(75, 151,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9769, 0.3142, 0.5078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 151, 62) }
```

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

```
.background{ background-color: rgb(75, 151,  
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