

Converting Colors

$Y_{xy}(23.3767, 0.3570, 0.4593)$

Have a look what the booklet for
Yxy(23.3767, 0.3570, 0.4593)
contains.

Yxy(23.4139, 0.3576, 0.4591)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.4139, 0.3576, 0.4591)

Conversions

Conversions Part 1

Format	Color
Hex	778D46
RGB	119, 141, 70
RGB Percent	47%, 55%, 27%
CMY	0.5333, 0.4470, 0.7256
CMYK	0.16, 0.00, 0.50, 0.45
HSL	79°, 34%, 41%
HSV	79°, 50%, 55%
XYZ	18.2374, 23.4139, 9.3482
YIQ	126.3280, 9.6790, -26.7450

Conversions

Conversions Part 2

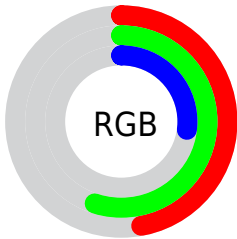
Format	Color
RYB	70, 141, 92
Decimal	7834950
CIELab	55.50, -19.78, 35.04
CIElCh	55, 40.238, 119.451
Yxy	23.4139, 0.3576, 0.4591
Android (android.graphics.Color)	4286025030 (0xFF778D46)
YUV	126.3280, -27.7697, -6.4267
Hunter-Lab	48.3879, -17.4020, 22.4171

Details

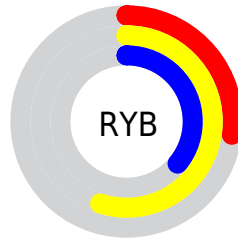
The Yxy color **23.4139, 0.3576, 0.4591** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **8.5749, 0.2467, 0.1855**, and the grayscale version is **21.0753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2705, 0.3503, 0.4300**, and **8.7690, 0.3654, 0.5110** is the 20% darker color. If you saturate the color by 10%, you get **22.9553, 0.3636, 0.4837**, and if you desaturate by 10%, it is **23.9306, 0.3500, 0.4329**.

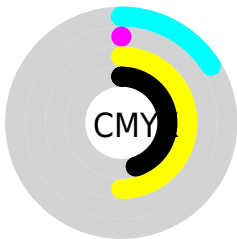
Distribution



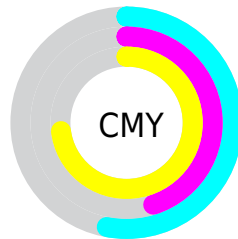
- Red (47%)
- Green (55%)
- Blue (27%)



- Red (27%)
- Yellow (55%)
- Blue (36%)



- Cyan (16%)
- Magenta (0%)
- Yellow (50%)
- Black (45%)





- Cyan (53%)
- Magenta (45%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4139, 0.3576, 0.4591 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 23.4139, 0.3576, 0.4591 by changing the saturation by 10% instead.


 23.4139, 0.3576,
0.4591


 23.4139, 0.3576,
0.4591

269.8438, 0.3354,
0.3848

 14.8994, 0.3621,
0.4808


 49.0721, 0.3500,
0.4297


 8.7488, 0.3665,
0.5102


 66.9845, 0.3470,
0.4194


 4.5777, 0.3705,
0.5540

 88.7985, 0.3443,
0.4110

 2.0017, 0.3721,
0.6279

 114.8983, 0.3421,
0.4040

 0.6085, 0.1355,
0.8645

 145.6683, 0.3401,
0.3980

 0.0000, 0.0000,
0.0000

181.4930, 0.3383,

0.3930

222.7567, 0.3368,
0.3886

■ 23.4139, 0.3576,
0.4591

■ 23.4139, 0.3576,
0.4591

■ 22.9553, 0.3636,
0.4837

■ 23.9306, 0.3500,
0.4329

■ 22.5486, 0.3677,
0.5055

■ 24.5051, 0.3414,
0.4061

■ 22.1911, 0.3695,
0.5235

■ 25.1412, 0.3321,
0.3795

■ 21.8789, 0.3689,
0.5371

■ 25.8412, 0.3225,
0.3540

■ 21.6102, 0.3668,
0.5470

■ 26.6076, 0.3131,
0.3299

■ 27.4424, 0.3039,
0.3075

■ 28.3478, 0.2951,
0.2869

■ 29.3257, 0.2868,
0.2681

■ 30.3780, 0.2790,
0.2511

Harmonies

Analogous

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



23.4139, 0.4172, 0.4373



23.4139, 0.3576, 0.4591



23.4139, 0.2894, 0.4355

Triad

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



23.4139, 0.3576, 0.4591



23.4139, 0.1904, 0.2461



23.4139, 0.3955, 0.2880

Complementary

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



23.4139, 0.3576, 0.4591



8.5749, 0.2467, 0.1855

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.



23.4139, 0.3244, 0.2479



23.4139, 0.3576, 0.4591



23.4139, 0.2110, 0.2228

Square

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



23.4139, 0.3576, 0.4591



23.4139, 0.1967, 0.2973



23.4139, 0.2573, 0.2246



23.4139, 0.4440, 0.3382

Rectangle

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



23.4139, 0.3576, 0.4591



23.4139, 0.2483, 0.3946



23.4139, 0.2573, 0.2246



23.4139, 0.3729, 0.2731

Sweetspot

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



23.4149, 0.3576, 0.4591



45.6392, 0.3273, 0.3665



13.6360, 0.4276, 0.3678



10.1424, 0.3290, 0.3712



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



23.4149, 0.3576, 0.4591



41.0360, 0.3641, 0.4858



21.3863, 0.3189, 0.4768



6.2028, 0.3214, 0.3510



19.7116, 0.3670, 0.5468



0.2001, 0.3924, 0.5266

Inverse Universe

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



8.5749, 0.2467, 0.1855



11.4282, 0.2287, 0.1524



10.7972, 0.2967, 0.2038



5.3310, 0.3035, 0.3066



2.2430, 0.1737, 0.0730



0.0321, 0.2197, 0.0984

Previews

White Background



This preview shows how the Yxy color 23.4139, 0.3576, 0.4591 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 23.4139, 0.3576, 0.4591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

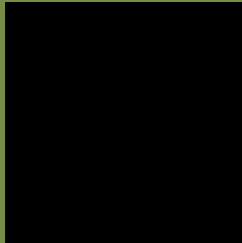
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4139, 0.3576, 0.4591

Background



This preview shows how black text looks on a background with the Yxy color 23.4139, 0.3576, 0.4591.



This preview shows how white text looks on a background with the Yxy color 23.4139, 0.3576, 0.4591.

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

23.4139, 0.3576, 0.4591

Protanopia

23.3833, 0.4005, 0.4370

Deuteranopia

23.0975, 0.4185, 0.4096



Tritanopia

23.3474, 0.2970, 0.3117

Trichromacy



Original Color

23.4139, 0.3576, 0.4591

Protanomaly

23.3440, 0.3847, 0.4453

Deuteranomaly

22.8246, 0.3951, 0.4259

Tritanomaly

23.2292, 0.3211, 0.3654

Monochromacy



Original Color

23.4139, 0.3576, 0.4591

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.4842, 0.3304, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4139, 0.3576, 0.4591 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(119, 141, 70)` looks like.

```
.text, #text, p{  
    color:rgb(119, 141, 70)  
}
```

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(119, 141, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 141, 70) }
```

Border

The CSS property to change the border of an element to Yxy 23.4139, 0.3576, 0.4591 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(119, 141, 70) }
```

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

```
.border{ border-color:rgb(119, 141, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 141, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 141, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 141, 70);  
box-shadow:4px 4px 4px 4px rgb(119, 141,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4139, 0.3576, 0.4591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 141, 70) }
```

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

```
.background{ background-color: rgb(119,  
141, 70) }
```

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