

Converting Colors

$Y_{xy}(23.6101, 0.4077, 0.4193)$

Have a look what the booklet for
Yxy(23.6101, 0.4077, 0.4193)
contains.

Yxy(23.5276, 0.4075, 0.4181)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.5276, 0.4075, 0.4181)

Conversions

Conversions Part 1

Format	Color
Hex	9C824A
RGB	156, 130, 74
RGB Percent	61%, 51%, 29%
CMY	0.3882, 0.4902, 0.7097
CMYK	0.00, 0.17, 0.53, 0.39
HSL	41°, 36%, 45%
HSV	41°, 53%, 61%
XYZ	22.9311, 23.5276, 9.8140
YIQ	131.3900, 33.4720, -11.9040

Conversions

Conversions Part 2

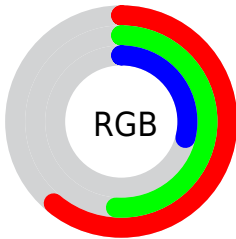
Format	Color
RYB	112, 156, 74
Decimal	10256970
CIELab	55.61, 2.60, 33.80
CIElCh	56, 33.896, 85.609
Yxy	23.5276, 0.4075, 0.4181
Android (android.graphics.Color)	4288447050 (0xFF9C824A)
YUV	131.3900, -28.2933, 21.5830
Hunter-Lab	48.5053, -0.4974, 21.9577

Details

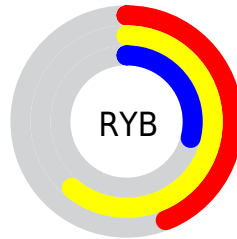
The Yxy color **23.5276, 0.4075, 0.4181** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.9773, 0.2245, 0.2177**, and the grayscale version is **22.9395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3193, 0.3876, 0.4006**, and **8.7888, 0.4378, 0.4464** is the 20% darker color. If you saturate the color by 10%, you get **22.0586, 0.4275, 0.4321**, and if you desaturate by 10%, it is **25.1143, 0.3873, 0.4020**.

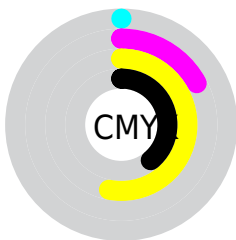
Distribution



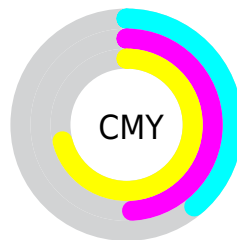
- Red (61%)
- Green (51%)
- Blue (29%)



- Red (44%)
- Yellow (61%)
- Blue (29%)



- Cyan (0%)
- Magenta (17%)
- Yellow (53%)
- Black (39%)





- Cyan (39%)
- Magenta (49%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5276, 0.4075, 0.4181 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 23.5276, 0.4075, 0.4181 by changing the saturation by 10% instead.


 23.5276, 0.4075,
0.4181


 23.5276, 0.4075,
0.4181


270.4234, 0.3560,
0.3704


 14.9836, 0.4211,
0.4303


 49.2582, 0.3880,
0.4003

 8.8079, 0.4386,
0.4457


 67.2136, 0.3809,
0.3937


 4.6161, 0.4617,
0.4653

 89.0748, 0.3750,
0.3882

 2.0238, 0.5015,
0.4985

 115.2264, 0.3700,
0.3835

 0.6212, 0.5128,
0.4872

 146.0526, 0.3657,
0.3795

 0.0000, 0.0000,
0.0000

181.9379, 0.3620,

0.3761

223.2667, 0.3588,
0.3731

■ 23.5276, 0.4075,
0.4181

■ 23.5276, 0.4075,
0.4181

■ 22.0586, 0.4275,
0.4321

■ 25.1143, 0.3873,
0.4020

■ 20.6992, 0.4466,
0.4429

■ 26.8199, 0.3678,
0.3848

■ 19.4450, 0.4638,
0.4496

■ 28.6493, 0.3493,
0.3672

■ 18.2900, 0.4783,
0.4515

■ 30.6066, 0.3321,
0.3498

■ 17.4841, 0.4879,
0.4508

■ 32.6952, 0.3165,
0.3331

■ 34.9185, 0.3023,
0.3174

■ 37.2798, 0.2896,
0.3026

■ 39.7823, 0.2782,
0.2890

■ 42.4288, 0.2681,
0.2764

Harmonies

Analogous

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



23.5276, 0.4309, 0.3785



23.5276, 0.4075, 0.4181



23.5276, 0.3595, 0.4376

Triad

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



23.5276, 0.4075, 0.4181



23.5276, 0.2159, 0.3106



23.5276, 0.3153, 0.2557

Complementary

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



23.5276, 0.4075, 0.4181



12.9773, 0.2245, 0.2177

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.



23.5276, 0.2597, 0.2377



23.5276, 0.4075, 0.4181



23.5276, 0.2068, 0.2636

Square

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



23.5276, 0.4075, 0.4181



23.5276, 0.2493, 0.3714



23.5276, 0.2219, 0.2394



23.5276, 0.3755, 0.2893

Rectangle

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



23.5276, 0.4075, 0.4181



23.5276, 0.3209, 0.4314



23.5276, 0.2219, 0.2394



23.5276, 0.2954, 0.2477

Sweetspot

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



23.5287, 0.4075, 0.4181



54.2171, 0.3384, 0.3563



12.9154, 0.4085, 0.2847



11.7822, 0.3417, 0.3596



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.



23.5287, 0.4075, 0.4181



39.6271, 0.4309, 0.4342



30.0570, 0.3722, 0.4596



7.3651, 0.3268, 0.3442



14.4633, 0.4872, 0.4513



0.3309, 0.4547, 0.4772

Inverse Universe

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



12.9773, 0.2245, 0.2177



18.4241, 0.2049, 0.1877



9.3598, 0.2287, 0.1720



6.7617, 0.2988, 0.3133



3.8771, 0.1632, 0.1074



0.1407, 0.1845, 0.1840

Previews

White Background



This preview shows how the Yxy color 23.5276, 0.4075, 0.4181 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 23.5276, 0.4075, 0.4181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

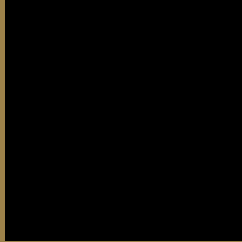
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5276, 0.4075, 0.4181

Background



This preview shows how black text looks on a background with the Yxy color 23.5276, 0.4075, 0.4181.



This preview shows how white text looks on a background with the Yxy color 23.5276, 0.4075, 0.4181.

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

23.5276, 0.4075, 0.4181

Protanopia

23.3940, 0.3915, 0.4258

Deuteranopia

23.4733, 0.4178, 0.4092



Tritanopia

23.4364, 0.3478, 0.3133

Trichromacy



Original Color

23.5276, 0.4075, 0.4181

Protanomaly

23.4946, 0.3973, 0.4224

Deuteranomaly

23.4199, 0.4132, 0.4120

Tritanomaly

23.4625, 0.3701, 0.3517

Monochromacy



Original Color

23.5276, 0.4075, 0.4181

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.9338, 0.3468, 0.3657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5276, 0.4075, 0.4181 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(156, 130, 74)` looks like.

```
.text, #text, p{  
    color:rgb(156, 130, 74)  
}
```

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(156, 130, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 130, 74) }
```

Border

The CSS property to change the border of an element to Yxy 23.5276, 0.4075, 0.4181 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(156, 130, 74) }
```

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

```
.border{ border-color:rgb(156, 130, 74) }
```

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

Here you see how a box with a 4 pixel rgb(156, 130, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 130, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 130, 74);  
box-shadow:4px 4px 4px 4px rgb(156, 130,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5276, 0.4075, 0.4181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 130, 74) }
```

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

```
.background{ background-color: rgb(156,  
130, 74) }
```

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