

Converting Colors

$Y_{xy}(23.5824, 0.3895, 0.4880)$

Have a look what the booklet for
Yxy(23.5824, 0.3895, 0.4880)
contains.

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Color

Yxy(23.6051, 0.3899, 0.4874)

Conversions

Conversions Part 1

Format	Color
Hex	818C2C
RGB	129, 140, 44
RGB Percent	51%, 55%, 17%
CMY	0.4942, 0.4509, 0.8275
CMYK	0.08, 0.00, 0.69, 0.45
HSL	67°, 52%, 36%
HSV	67°, 69%, 55%
XYZ	18.8831, 23.6051, 5.9424
YIQ	125.7670, 24.2600, -32.1880

Conversions

Conversions Part 2

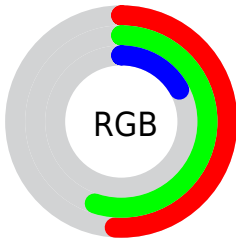
Format	Color
R_{YB}	44, 140, 55
Decimal	8490028
CIE _{Lab}	55.69, -17.26, 47.74
CIE _{LCh}	56, 50.764, 109.873
Yxy	23.6051, 0.3899, 0.4874
Android (android.graphics.Color)	4286680108 (0xFF818C2C)
YUV	125.7670, -40.3111, 2.8353
Hunter-Lab	48.5851, -15.6480, 26.7578

Details

The Yxy color **23.6051, 0.3899, 0.4874** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.5071, 0.1948, 0.1217**, and the grayscale version is **20.9130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1565, 0.3780, 0.4542**, and **8.8488, 0.3940, 0.5253** is the 20% darker color. If you saturate the color by 10%, you get **23.3931, 0.3954, 0.5021**, and if you desaturate by 10%, it is **23.8568, 0.3821, 0.4689**.

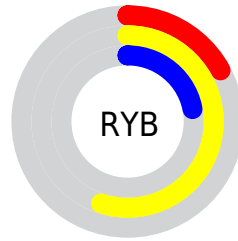
Distribution



Red (51%)

Green (55%)

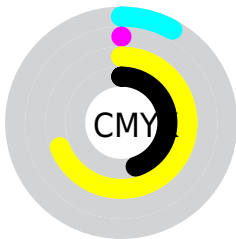
Blue (17%)



Red (17%)

Yellow (55%)

Blue (22%)

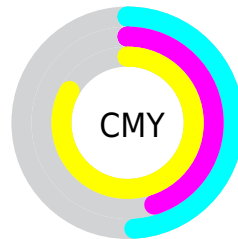


Cyan (8%)

Magenta (0%)

Yellow (69%)

Black (45%)



Cyan (49%)


Magenta (45%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6051, 0.3899, 0.4874 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 23.6051, 0.3899, 0.4874 by changing the saturation by 10% instead.


 23.6051, 0.3899,
0.4874


 23.6051, 0.3899,
0.4874


 270.8179, 0.3524,
0.3998


 15.0409, 0.3966,
0.5103


 49.3850, 0.3776,
0.4542

 8.8481, 0.4022,
0.5390


 67.3695, 0.3725,
0.4421


 4.6423, 0.4125,
0.5875

 89.2630, 0.3680,
0.4320

 2.0389, 0.3879,
0.6121

 115.4498, 0.3640,
0.4234

 0.6299, 0.2198,
0.7802

 146.3143, 0.3606,
0.4162

 0.0000, 0.0000,
0.0000

 182.2408, 0.3575,

0.4100

223.6139, 0.3549,
0.4045

■ 23.6051, 0.3899,
0.4874

■ 23.6051, 0.3899,
0.4874

■ 23.3931, 0.3954,
0.5021

■ 23.8568, 0.3821,
0.4689

■ 23.2138, 0.3985,
0.5127

■ 24.1481, 0.3723,
0.4474

■ 23.0598, 0.3996,
0.5199

■ 24.4830, 0.3611,
0.4238

■ 23.0384, 0.3997,
0.5208

■ 24.8642, 0.3489,
0.3990

■ 25.2940, 0.3362,
0.3740

■ 25.7746, 0.3234,
0.3494

■ 26.3082, 0.3110,
0.3257

■ 26.8966, 0.2990,
0.3034

■ 27.5418, 0.2878,
0.2826

Harmonies

Analogous

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



23.6051, 0.4570, 0.4414



23.6051, 0.3899, 0.4874



23.6051, 0.3072, 0.4835

Triad

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



23.6051, 0.3899, 0.4874



23.6051, 0.1637, 0.2410



23.6051, 0.3888, 0.2609

Complementary

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



23.6051, 0.3899, 0.4874



4.5071, 0.1948, 0.1217

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.



23.6051, 0.2974, 0.2194



23.6051, 0.3899, 0.4874



23.6051, 0.1782, 0.2047

Square

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



23.6051, 0.3899, 0.4874



23.6051, 0.1803, 0.3139



23.6051, 0.2229, 0.1992



23.6051, 0.4634, 0.3169

Rectangle

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



23.6051, 0.3899, 0.4874



23.6051, 0.2539, 0.4416



23.6051, 0.2229, 0.1992



23.6051, 0.3582, 0.2451

Sweetspot

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



23.6062, 0.3899, 0.4874



44.3619, 0.3398, 0.3811



8.3585, 0.5181, 0.3445



10.1794, 0.3429, 0.3872



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.



23.6062, 0.3899, 0.4874



41.0671, 0.3973, 0.5081



20.7526, 0.3355, 0.5216



5.8163, 0.3241, 0.3507



20.4728, 0.3998, 0.5208



0.1398, 0.4100, 0.5126

Inverse Universe

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



4.5071, 0.1948, 0.1217



5.0725, 0.1712, 0.0853



6.4958, 0.2571, 0.1509



4.9180, 0.3007, 0.3065



1.7860, 0.1554, 0.0630



0.0150, 0.1784, 0.0757

Previews

White Background



This preview shows how the Yxy color 23.6051, 0.3899, 0.4874 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 23.6051, 0.3899, 0.4874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

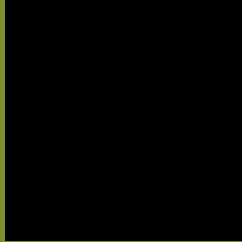
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6051, 0.3899, 0.4874

Background



This preview shows how black text looks on a background with the Yxy color 23.6051, 0.3899, 0.4874.



This preview shows how white text looks on a background with the Yxy color 23.6051, 0.3899, 0.4874.

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

23.6051, 0.3899, 0.4874

Protanopia

23.6069, 0.4220, 0.4668

Deuteranopia

23.5075, 0.4456, 0.4389



Tritanopia

23.5590, 0.3101, 0.3121

Trichromacy



Original Color

23.6051, 0.3899, 0.4874

Protanomaly

23.5335, 0.4105, 0.4737

Deuteranomaly

23.4801, 0.4257, 0.4564

Tritanomaly

23.2417, 0.3441, 0.3787

Monochromacy



Original Color

23.6051, 0.3899, 0.4874

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.5892, 0.3463, 0.3939

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6051, 0.3899, 0.4874 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(129, 140, 44)` looks like.

```
.text, #text, p{  
    color:rgb(129, 140, 44)  
}
```

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(129, 140, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 140, 44) }
```

Border

The CSS property to change the border of an element to Yxy 23.6051, 0.3899, 0.4874 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(129, 140, 44) }
```

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

```
.border{ border-color:rgb(129, 140, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 140, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 140, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 140, 44);  
box-shadow:4px 4px 4px 4px rgb(129, 140,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6051, 0.3899, 0.4874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 140, 44) }
```

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

```
.background{ background-color: rgb(129,  
140, 44) }
```

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](#).

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