

Converting Colors

$Y_{xy}(23.1835, 0.3851, 0.4476)$

Have a look what the booklet for
Yxy(23.1835, 0.3851, 0.4476)
contains.

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Color

Yxy(23.2478, 0.3843, 0.4474)

Conversions

Conversions Part 1

Format	Color
Hex	888843
RGB	136, 136, 67
RGB Percent	53%, 53%, 26%
CMY	0.4667, 0.4666, 0.7372
CMYK	0.00, 0.00, 0.51, 0.47
HSL	60°, 34%, 40%
HSV	60°, 51%, 53%
XYZ	19.9690, 23.2478, 8.7452
YIQ	128.1340, 22.1490, -21.4590

Conversions

Conversions Part 2

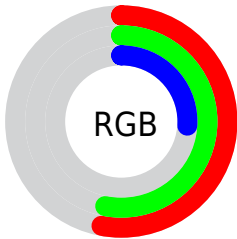
Format	Color
RYB	67, 136, 67
Decimal	8947779
CIELab	55.33, -10.20, 36.69
CIELCh	55, 38.078, 105.540
Yxy	23.2478, 0.3843, 0.4474
Android (android.graphics.Color)	4287137859 (0xFF888843)
YUV	128.1340, -30.1391, 6.8985
Hunter-Lab	48.2160, -10.4509, 22.9974

Details

The Yxy color **23.2478, 0.3843, 0.4474** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **6.9867, 0.2196, 0.1749**, and the grayscale version is **21.7362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7559, 0.3710, 0.4217**, and **8.5874, 0.4038, 0.4882** is the 20% darker color. If you saturate the color by 10%, you get **23.1040, 0.3957, 0.4662**, and if you desaturate by 10%, it is **23.4321, 0.3713, 0.4259**.

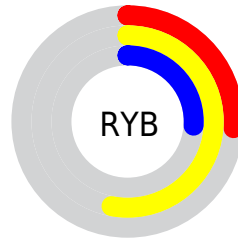
Distribution



Red (53%)

Green (53%)

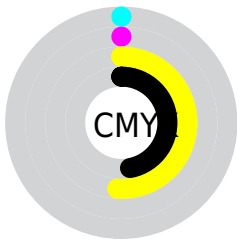
Blue (26%)



Red (26%)

Yellow (53%)

Blue (26%)

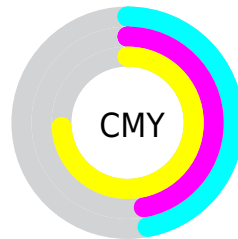


Cyan (0%)

Magenta (0%)

Yellow (51%)

Black (47%)



Cyan (47%)


Magenta (47%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2478, 0.3843, 0.4474 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 23.2478, 0.3843, 0.4474 by changing the saturation by 10% instead.


 23.2478, 0.3843,
0.4474


 23.2478, 0.3843,
0.4474


268.9952, 0.3468,
0.3814


 14.7766, 0.3932,
0.4656


 48.7999, 0.3707,
0.4220


 8.6627, 0.4037,
0.4894


 66.6496, 0.3655,
0.4128


 4.5219, 0.4182,
0.5251

 88.3942, 0.3612,
0.4053

 1.9696, 0.4289,
0.5711

 114.4181, 0.3574,
0.3990

 0.5897, 0.3456,
0.6544

 145.1058, 0.3542,
0.3936

 0.0000, 0.0000,
0.0000

180.8416, 0.3514,

0.3890

222.0100, 0.3490,
0.3850

■ 23.2478, 0.3843,
0.4474

■ 23.2478, 0.3843,
0.4474

■ 23.1040, 0.3957,
0.4662

■ 23.4321, 0.3713,
0.4259

■ 22.9947, 0.4050,
0.4817

■ 23.6561, 0.3573,
0.4027

■ 22.9180, 0.4120,
0.4932

■ 23.9232, 0.3427,
0.3786

■ 22.8702, 0.4165,
0.5007

■ 24.2355, 0.3281,
0.3544

■ 22.8418, 0.4193,
0.5053

■ 24.5948, 0.3137,
0.3307

■ 25.0031, 0.3000,
0.3080

■ 25.4621, 0.2871,
0.2867

■ 25.9735, 0.2751,
0.2669

■ 26.5388, 0.2641,
0.2486

Harmonies

Analogous

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



23.2478, 0.4312, 0.4141



23.2478, 0.3843, 0.4474



23.2478, 0.3210, 0.4458

Triad

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



23.2478, 0.3843, 0.4474



23.2478, 0.1953, 0.2698



23.2478, 0.3612, 0.2705

Complementary

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



23.2478, 0.3843, 0.4474



6.9867, 0.2196, 0.1749

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.



23.2478, 0.2927, 0.2388



23.2478, 0.3843, 0.4474



23.2478, 0.2032, 0.2350

Square

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



23.2478, 0.3843, 0.4474



23.2478, 0.2141, 0.3298



23.2478, 0.2366, 0.2257



23.2478, 0.4201, 0.3152

Rectangle

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



23.2478, 0.3843, 0.4474



23.2478, 0.2783, 0.4192



23.2478, 0.2366, 0.2257



23.2478, 0.3381, 0.2582

Sweetspot

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



23.2489, 0.3843, 0.4474



42.4422, 0.3348, 0.3655



9.6549, 0.4495, 0.3294



9.8059, 0.3375, 0.3699



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



23.2489, 0.3843, 0.4474



40.6764, 0.3973, 0.4689



20.8118, 0.3419, 0.4669



5.8449, 0.3258, 0.3506



21.6164, 0.4193, 0.5053



0.1436, 0.4193, 0.5053

Inverse Universe

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



6.9867, 0.2196, 0.1749



8.5949, 0.1962, 0.1364



8.5885, 0.2651, 0.1917



4.8923, 0.2991, 0.3064



1.6827, 0.1500, 0.0600



0.0112, 0.1501, 0.0601

Previews

White Background



This preview shows how the Yxy color 23.2478, 0.3843, 0.4474 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 23.2478, 0.3843, 0.4474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

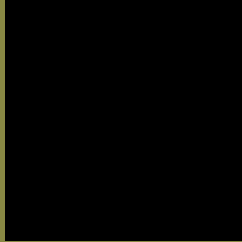
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2478, 0.3843, 0.4474

Background



This preview shows how black text looks on a background with the Yxy color 23.2478, 0.3843, 0.4474.



This preview shows how white text looks on a background with the Yxy color 23.2478, 0.3843, 0.4474.

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

23.2478, 0.3843, 0.4474

Protanopia

23.2794, 0.4002, 0.4390

Deuteranopia

23.0328, 0.4237, 0.4164



Tritanopia

23.1130, 0.3193, 0.3123

Trichromacy



Original Color

23.2478, 0.3843, 0.4474

Protanomaly

23.1943, 0.3943, 0.4426

Deuteranomaly

23.1549, 0.4098, 0.4281

Tritanomaly

22.9779, 0.3445, 0.3622

Monochromacy



Original Color

23.2478, 0.3843, 0.4474

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.0985, 0.3402, 0.3744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2478, 0.3843, 0.4474 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(136, 136, 67)` looks like.

```
.text, #text, p{  
    color:rgb(136, 136, 67)  
}
```

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(136, 136, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 136, 67) }
```

Border

The CSS property to change the border of an element to Yxy 23.2478, 0.3843, 0.4474 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(136, 136, 67) }
```

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

```
.border{ border-color:rgb(136, 136, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 136, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 136, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 136, 67);  
box-shadow:4px 4px 4px 4px rgb(136, 136,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2478, 0.3843, 0.4474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 136, 67) }
```

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

```
.background{ background-color: rgb(136,  
136, 67) }
```

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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