

Converting Colors

$Yxy(23.8843, 0.3808, 0.4558)$

Have a look what the booklet for
Yxy(23.8843, 0.3808, 0.4558)
contains.

Yxy(23.9152, 0.3813, 0.4556)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.9152, 0.3813, 0.4556)

Conversions

Conversions Part 1

Format	Color
Hex	868B41
RGB	134, 139, 65
RGB Percent	53%, 55%, 25%
CMY	0.4746, 0.4549, 0.7451
CMYK	0.04, 0.00, 0.53, 0.45
HSL	64°, 36%, 40%
HSV	64°, 53%, 55%
XYZ	20.0151, 23.9152, 8.5614
YIQ	129.0690, 20.7740, -24.0740

Conversions

Conversions Part 2

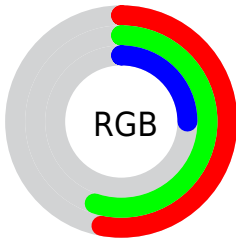
Format	Color
RYB	65, 139, 70
Decimal	8817473
CIELab	56.00, -12.89, 38.46
CIELCh	56, 40.562, 108.525
Yxy	23.9152, 0.3813, 0.4556
Android (android.graphics.Color)	4287007553 (0xFF868B41)
YUV	129.0690, -31.5860, 4.3245
Hunter-Lab	48.9032, -12.5241, 23.8524

Details

The Yxy color **23.9152, 0.3813, 0.4556** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **6.9480, 0.2197, 0.1681**, and the grayscale version is **22.0849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7559, 0.3693, 0.4280**, and **8.9731, 0.3984, 0.5008** is the 20% darker color. If you saturate the color by 10%, you get **23.6972, 0.3910, 0.4749**, and if you desaturate by 10%, it is **24.1758, 0.3699, 0.4336**.

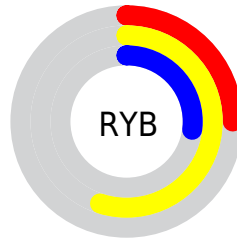
Distribution



Red (53%)

Green (55%)

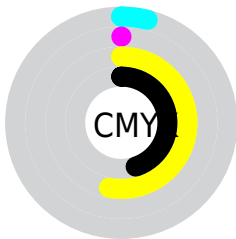
Blue (25%)



Red (25%)

Yellow (55%)

Blue (27%)

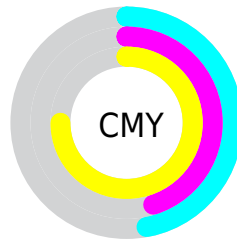


Cyan (4%)

Magenta (0%)

Yellow (53%)

Black (45%)



Cyan (47%)


Magenta (45%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9152, 0.3813, 0.4556 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 23.9152, 0.3813, 0.4556 by changing the saturation by 10% instead.


 23.9152, 0.3813,
0.4556


 23.9152, 0.3813,
0.4556


272.3915, 0.3461,
0.3851


 15.2707, 0.3893,
0.4750


 49.8918, 0.3688,
0.4284

 9.0096, 0.3982,
0.5004


 67.9927, 0.3639,
0.4186

 4.7475, 0.4105,
0.5390

 90.0145, 0.3598,
0.4106

 2.0999, 0.4146,
0.5854

 116.3417, 0.3563,
0.4038

 0.6645, 0.3230,
0.6770

 147.3586, 0.3532,
0.3981

 0.0000, 0.0000,
0.0000

183.4496, 0.3505,

0.3931

224.9991, 0.3482,
0.3888

■ 23.9152, 0.3813,
0.4556

■ 23.9152, 0.3813,
0.4556

■ 23.6972, 0.3910,
0.4749

■ 24.1758, 0.3699,
0.4336

■ 23.5154, 0.3986,
0.4908

■ 24.4783, 0.3572,
0.4099

■ 23.3677, 0.4038,
0.5027

■ 24.8262, 0.3439,
0.3853

■ 23.2499, 0.4066,
0.5104

■ 25.2219, 0.3303,
0.3606

■ 23.1788, 0.4077,
0.5144

■ 25.6673, 0.3170,
0.3366

■ 26.1645, 0.3041,
0.3136

■ 26.7154, 0.2918,
0.2920

■ 27.3216, 0.2804,
0.2720

■ 27.9850, 0.2698,
0.2535

Harmonies

Analogous

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



23.9152, 0.4334, 0.4222



23.9152, 0.3813, 0.4556



23.9152, 0.3141, 0.4501

Triad

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



23.9152, 0.3813, 0.4556



23.9152, 0.1894, 0.2615



23.9152, 0.3708, 0.2718

Complementary

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



23.9152, 0.3813, 0.4556



6.9480, 0.2197, 0.1681

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.



23.9152, 0.2983, 0.2371



23.9152, 0.3813, 0.4556



23.9152, 0.2003, 0.2281

Square

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



23.9152, 0.3813, 0.4556



23.9152, 0.2059, 0.3222



23.9152, 0.2375, 0.2212



23.9152, 0.4307, 0.3192

Rectangle

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



23.9152, 0.3813, 0.4556



23.9152, 0.2698, 0.4189



23.9152, 0.2375, 0.2212



23.9152, 0.3466, 0.2584

Sweetspot

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



23.9163, 0.3813, 0.4556



44.9308, 0.3345, 0.3683



10.2432, 0.4553, 0.3382



10.3235, 0.3370, 0.3727



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.



23.9163, 0.3813, 0.4556



42.3547, 0.3929, 0.4786



21.3953, 0.3372, 0.4770



5.8279, 0.3248, 0.3507



20.9193, 0.4078, 0.5144



0.1414, 0.4139, 0.5095

Inverse Universe

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



6.9480, 0.2197, 0.1681



8.5583, 0.1962, 0.1291



8.7666, 0.2692, 0.1872



4.9075, 0.3000, 0.3065



1.7407, 0.1531, 0.0617



0.0134, 0.1672, 0.0695

Previews

White Background



This preview shows how the Yxy color 23.9152, 0.3813, 0.4556 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 23.9152, 0.3813, 0.4556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

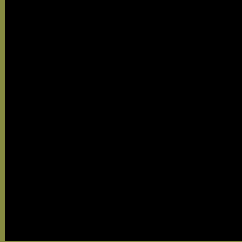
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9152, 0.3813, 0.4556

Background



This preview shows how black text looks on a background with the Yxy color 23.9152, 0.3813, 0.4556.



This preview shows how white text looks on a background with the Yxy color 23.9152, 0.3813, 0.4556.

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

23.9152, 0.3813, 0.4556

Protanopia

23.7986, 0.4058, 0.4427

Deuteranopia

23.8550, 0.4265, 0.4190



Tritanopia

23.9065, 0.3146, 0.3124

Trichromacy



Original Color

23.9152, 0.3813, 0.4556

Protanomaly

23.9078, 0.3970, 0.4470

Deuteranomaly

23.7778, 0.4102, 0.4317

Tritanomaly

23.7314, 0.3412, 0.3655

Monochromacy



Original Color

23.9152, 0.3813, 0.4556

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.6410, 0.3396, 0.3778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9152, 0.3813, 0.4556 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(134, 139, 65)` looks like.

```
.text, #text, p{  
    color:rgb(134, 139, 65)  
}
```

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(134, 139, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 139, 65) }
```

Border

The CSS property to change the border of an element to Yxy 23.9152, 0.3813, 0.4556 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(134, 139, 65) }
```

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

```
.border{ border-color:rgb(134, 139, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 139, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 139, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 139, 65);  
box-shadow:4px 4px 4px 4px rgb(134, 139,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9152, 0.3813, 0.4556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 139, 65) }
```

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

```
.background{ background-color: rgb(134,  
139, 65) }
```

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