

Converting Colors

$Y_{xy}(23.8736, 0.3916, 0.4510)$

Have a look what the booklet for
Yxy(23.8736, 0.3916, 0.4510)
contains.

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Color

Yxy(23.8369, 0.3912, 0.4507)

Conversions

Conversions Part 1

Format	Color
Hex	8C8940
RGB	140, 137, 64
RGB Percent	55%, 54%, 25%
CMY	0.4509, 0.4628, 0.7490
CMYK	0.00, 0.02, 0.54, 0.45
HSL	58°, 37%, 40%
HSV	58°, 54%, 55%
XYZ	20.6900, 23.8369, 8.3617
YIQ	129.5750, 25.2210, -22.0670

Conversions

Conversions Part 2

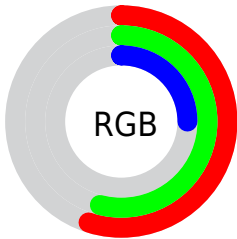
Format	Color
RYB	67, 140, 64
Decimal	9210176
CIELab	55.92, -9.24, 39.00
CIELCh	56, 40.076, 103.332
Yxy	23.8369, 0.3912, 0.4507
Android (android.graphics.Color)	4287400256 (0xFF8C8940)
YUV	129.5750, -32.3285, 9.1427
Hunter-Lab	48.8230, -9.7963, 24.0218

Details

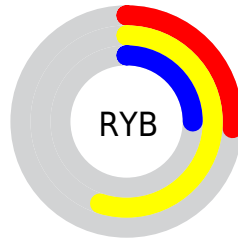
The Yxy color **23.8369, 0.3912, 0.4507** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **7.0037, 0.2131, 0.1685**, and the grayscale version is **22.2768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6439, 0.3764, 0.4251**, and **8.9228, 0.4133, 0.4909** is the 20% darker color. If you saturate the color by 10%, you get **23.5396, 0.4029, 0.4680**, and if you desaturate by 10%, it is **24.1773, 0.3779, 0.4305**.

Distribution



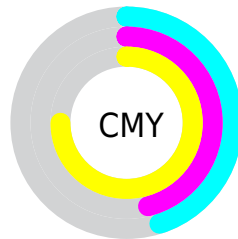
- Red (55%)
- Green (54%)
- Blue (25%)



- Red (26%)
- Yellow (55%)
- Blue (25%)



- Cyan (0%)
- Magenta (2%)
- Yellow (54%)
- Black (45%)





- Cyan (45%)
- Magenta (46%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8369, 0.3912, 0.4507 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 23.8369, 0.3912, 0.4507 by changing the saturation by 10% instead.


 23.8369, 0.3912,
0.4507


 23.8369, 0.3912,
0.4507


271.9949, 0.3504,
0.3837

 15.2127, 0.4008,
0.4687


 49.7639, 0.3765,
0.4251


 8.9688, 0.4119,
0.4918


 67.8355, 0.3708,
0.4159

 4.7208, 0.4282,
0.5273

 89.8250, 0.3661,
0.4082

 2.0844, 0.4355,
0.5645

 116.1168, 0.3620,
0.4017

 0.6558, 0.3775,
0.6225

 147.0953, 0.3585,
0.3962

 0.0000, 0.0000,
0.0000

183.1448, 0.3554,

0.3914

224.6499, 0.3527,
0.3873

■ 23.8369, 0.3912,
0.4507

■ 23.8369, 0.3912,
0.4507

■ 23.5396, 0.4029,
0.4680

■ 24.1773, 0.3779,
0.4305

■ 23.2790, 0.4124,
0.4818

■ 24.5601, 0.3635,
0.4084

■ 23.0527, 0.4195,
0.4916

■ 24.9891, 0.3485,
0.3852

■ 22.8563, 0.4241,
0.4973

■ 25.4665, 0.3335,
0.3618

■ 22.7500, 0.4263,
0.4997

■ 25.9944, 0.3188,
0.3387

■ 26.5749, 0.3048,
0.3164

■ 27.2099, 0.2916,
0.2954

■ 27.9012, 0.2793,
0.2759

■ 28.6505, 0.2681,
0.2578

Harmonies

Analogous

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



23.8369, 0.4384, 0.4135



23.8369, 0.3912, 0.4507



23.8369, 0.3260, 0.4532

Triad

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



23.8369, 0.3912, 0.4507



23.8369, 0.1914, 0.2708



23.8369, 0.3579, 0.2653

Complementary

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



23.8369, 0.3912, 0.4507



7.0037, 0.2131, 0.1685

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.



23.8369, 0.2867, 0.2338



23.8369, 0.3912, 0.4507



23.8369, 0.1976, 0.2329

Square

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



23.8369, 0.3912, 0.4507



23.8369, 0.2127, 0.3349



23.8369, 0.2301, 0.2217



23.8369, 0.4213, 0.3106

Rectangle

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



23.8369, 0.3912, 0.4507



23.8369, 0.2813, 0.4277



23.8369, 0.2301, 0.2217



23.8369, 0.3337, 0.2529

Sweetspot

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



23.8380, 0.3912, 0.4507



44.6991, 0.3366, 0.3665



9.6605, 0.4574, 0.3227



10.2642, 0.3392, 0.3708



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.



23.8380, 0.3912, 0.4507



41.3821, 0.4050, 0.4712



22.1879, 0.3476, 0.4751



5.8113, 0.3259, 0.3498



20.2124, 0.4262, 0.4998



0.1392, 0.4225, 0.5027

Inverse Universe

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



7.0037, 0.2131, 0.1685



8.5492, 0.1899, 0.1300



8.1706, 0.2551, 0.1792



4.9222, 0.2991, 0.3073



1.7973, 0.1510, 0.0637



0.0156, 0.1557, 0.0805

Previews

White Background



This preview shows how the Yxy color 23.8369, 0.3912, 0.4507 looks on a white background.

Color Contrast Check

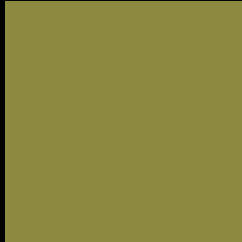
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8369, 0.3912, 0.4507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

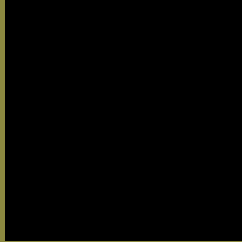
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8369, 0.3912, 0.4507

Background



This preview shows how black text looks on a background with the Yxy color 23.8369, 0.3912, 0.4507.



This preview shows how white text looks on a background with the Yxy color 23.8369, 0.3912, 0.4507.

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

23.8369, 0.3912, 0.4507

Protanopia

23.7050, 0.4046, 0.4433

Deuteranopia

23.8310, 0.4285, 0.4216



Tritanopia

23.7676, 0.3228, 0.3126

Trichromacy



Original Color

23.8369, 0.3912, 0.4507

Protanomaly

23.7066, 0.3999, 0.4464

Deuteranomaly

23.6822, 0.4154, 0.4319

Tritanomaly

23.6017, 0.3491, 0.3633

Monochromacy



Original Color

23.8369, 0.3912, 0.4507

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.8840, 0.3432, 0.3773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8369, 0.3912, 0.4507 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(140, 137, 64)` looks like.

```
.text, #text, p{  
    color:rgb(140, 137, 64)  
}
```

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(140, 137, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 137, 64) }
```

Border

The CSS property to change the border of an element to Yxy 23.8369, 0.3912, 0.4507 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(140, 137, 64) }
```

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

```
.border{ border-color:rgb(140, 137, 64) }
```

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

Here you see how a box with a 4 pixel rgb(140, 137, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 137, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 137, 64);  
box-shadow:4px 4px 4px 4px rgb(140, 137,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8369, 0.3912, 0.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 137, 64) }
```

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

```
.background{ background-color: rgb(140,  
137, 64) }
```

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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