

Converting Colors

$Y_{xy}(23.6648, 0.3867, 0.4593)$

Have a look what the booklet for
Yxy(23.6648, 0.3867, 0.4593)
contains.

Yxy(23.6648, 0.3867, 0.4593)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.6648, 0.3867, 0.4593)

Conversions

Conversions Part 1

Format	Color
Hex	878A3D
RGB	135, 138, 61
RGB Percent	53%, 54%, 24%
CMY	0.4705, 0.4588, 0.7607
CMYK	0.02, 0.00, 0.56, 0.46
HSL	62°, 39%, 39%
HSV	62°, 56%, 54%
XYZ	19.9242, 23.6648, 7.9346
YIQ	128.3250, 22.9290, -24.5830

Conversions

Conversions Part 2

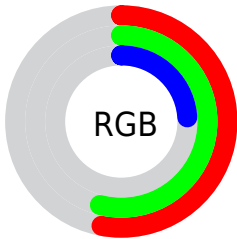
Format	Color
R_{YB}	61, 138, 64
Decimal	8882749
CIE _{Lab}	55.75, -12.25, 40.17
CIE _{LCh}	56, 41.996, 106.961
Y _{xy}	23.6648, 0.3867, 0.4593
Android (android.graphics.Color)	4287072829 (0xFF878A3D)
YUV	128.3250, -33.1912, 5.8540
Hunter-Lab	48.6465, -12.0229, 24.3819

Details

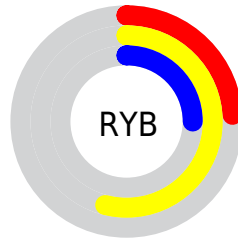
The Yxy color **23.6648, 0.3867, 0.4593** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.2645, 0.2122, 0.1588**, and the grayscale version is **21.8185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3565, 0.3735, 0.4314**, and **8.8382, 0.4053, 0.5040** is the 20% darker color. If you saturate the color by 10%, you get **23.4914, 0.3964, 0.4772**, and if you desaturate by 10%, it is **23.8788, 0.3751, 0.4384**.

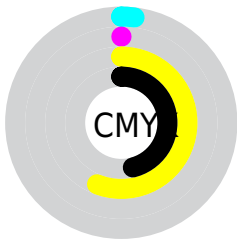
Distribution



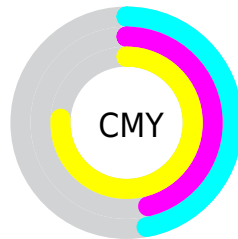
- Red (53%)
- Green (54%)
- Blue (24%)



- Red (24%)
- Yellow (54%)
- Blue (25%)



- Cyan (2%)
- Magenta (0%)
- Yellow (56%)
- Black (46%)





- Cyan (47%)
- Magenta (46%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6648, 0.3867, 0.4593 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 23.6648, 0.3867, 0.4593 by changing the saturation by 10% instead.


 23.6648, 0.3867,
0.4593


 23.6648, 0.3867,
0.4593


 271.1214, 0.3488,
0.3870


 15.0852, 0.3952,
0.4789


 49.4826, 0.3733,
0.4316


 8.8792, 0.4045,
0.5042


 67.4896, 0.3680,
0.4216


 4.6625, 0.4198,
0.5457

 89.4079, 0.3636,
0.4133

 2.0506, 0.4177,
0.5823

 115.6217, 0.3598,
0.4063

 0.6366, 0.3246,
0.6754

 146.5156, 0.3565,
0.4004

 0.0000, 0.0000,
0.0000

 182.4739, 0.3536,

0.3953

223.8811, 0.3510,
0.3909

■ 23.6648, 0.3867,
0.4593

■ 23.6648, 0.3867,
0.4593

■ 23.4914, 0.3964,
0.4772

■ 23.8788, 0.3751,
0.4384

■ 23.3525, 0.4039,
0.4915

■ 24.1330, 0.3622,
0.4154

■ 23.2456, 0.4090,
0.5018

■ 24.4307, 0.3485,
0.3913

■ 23.1655, 0.4118,
0.5082

■ 24.7744, 0.3345,
0.3668

■ 23.1344, 0.4127,
0.5105

■ 25.1660, 0.3206,
0.3426

■ 25.6075, 0.3071,
0.3193

■ 26.1008, 0.2943,
0.2973

■ 26.6477, 0.2823,
0.2768

■ 27.2498, 0.2712,
0.2579

Harmonies

Analogous

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



23.6648, 0.4396, 0.4225



23.6648, 0.3867, 0.4593



23.6648, 0.3174, 0.4569

Triad

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



23.6648, 0.3867, 0.4593



23.6648, 0.1855, 0.2613



23.6648, 0.3691, 0.2675

Complementary

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



23.6648, 0.3867, 0.4593



6.2645, 0.2122, 0.1588

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.



23.6648, 0.2938, 0.2327



23.6648, 0.3867, 0.4593



23.6648, 0.1954, 0.2257

Square

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



23.6648, 0.3867, 0.4593



23.6648, 0.2039, 0.3256



23.6648, 0.2322, 0.2174



23.6648, 0.4329, 0.3157

Rectangle

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



23.6648, 0.3867, 0.4593



23.6648, 0.2714, 0.4261



23.6648, 0.2322, 0.2174



23.6648, 0.3438, 0.2541

Sweetspot

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



23.6659, 0.3867, 0.4593



43.5681, 0.3367, 0.3706



9.3603, 0.4686, 0.3340



9.7485, 0.3391, 0.3747



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.



23.6659, 0.3867, 0.4593



41.3372, 0.3986, 0.4814



21.0523, 0.3407, 0.4828



5.8352, 0.3252, 0.3507



21.2126, 0.4128, 0.5105



0.1423, 0.4163, 0.5077

Inverse Universe

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



6.2645, 0.2122, 0.1588



7.4275, 0.1881, 0.1191



8.0034, 0.2626, 0.1790



4.9009, 0.2996, 0.3065



1.7156, 0.1518, 0.0610



0.0125, 0.1600, 0.0655

Previews

White Background



This preview shows how the Yxy color 23.6648, 0.3867, 0.4593 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 23.6648, 0.3867, 0.4593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

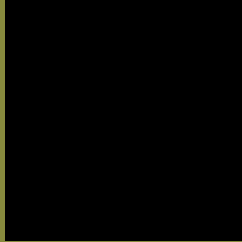
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6648, 0.3867, 0.4593

Background



This preview shows how black text looks on a background with the Yxy color 23.6648, 0.3867, 0.4593.



This preview shows how white text looks on a background with the Yxy color 23.6648, 0.3867, 0.4593.

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

23.6648, 0.3867, 0.4593

Protanopia

23.6723, 0.4072, 0.4472

Deuteranopia

23.5482, 0.4314, 0.4227



Tritanopia

23.6984, 0.3170, 0.3124

Trichromacy



Original Color

23.6648, 0.3867, 0.4593

Protanomaly

23.4938, 0.4000, 0.4517

Deuteranomaly

23.4615, 0.4148, 0.4356

Tritanomaly

23.4982, 0.3450, 0.3673

Monochromacy



Original Color

23.6648, 0.3867, 0.4593

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.3273, 0.3421, 0.3798

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6648, 0.3867, 0.4593 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(135, 138, 61)` looks like.

```
.text, #text, p{  
    color:rgb(135, 138, 61)  
}
```

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(135, 138, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 138, 61) }
```

Border

The CSS property to change the border of an element to Yxy 23.6648, 0.3867, 0.4593 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(135, 138, 61) }
```

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

```
.border{ border-color:rgb(135, 138, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 138, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 138, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 138, 61);  
box-shadow:4px 4px 4px 4px rgb(135, 138,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6648, 0.3867, 0.4593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 138, 61) }
```

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

```
.background{ background-color: rgb(135,  
138, 61) }
```

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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