

Converting Colors

$Y_{xy}(23.4111, 0.3523, 0.4892)$

Have a look what the booklet for
Yxy(23.4111, 0.3523, 0.4892)
contains.

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Color

Yxy(23.4402, 0.3525, 0.4884)

Conversions

Conversions Part 1

Format	Color
Hex	6C903A
RGB	108, 144, 58
RGB Percent	42%, 56%, 23%
CMY	0.5766, 0.4352, 0.7725
CMYK	0.25, 0.00, 0.60, 0.44
HSL	85°, 43%, 40%
HSV	85°, 60%, 56%
XYZ	16.9178, 23.4402, 7.6358
YIQ	123.4320, 6.1500, -34.3780

Conversions

Conversions Part 2

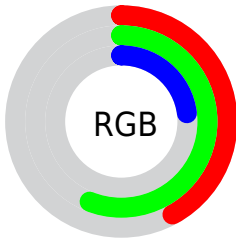
Format	Color
RYB	58, 144, 94
Decimal	7114810
CIELab	55.52, -27.03, 40.84
CIElCh	56, 48.974, 123.499
Yxy	23.4402, 0.3525, 0.4884
Android (android.graphics.Color)	4285304890 (0xFF6C903A)
YUV	123.4320, -32.2580, -13.5339
Hunter-Lab	48.4151, -22.3526, 24.5396

Details

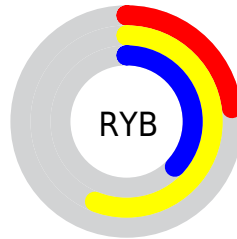
The Yxy color **23.4402, 0.3525, 0.4884** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.4229, 0.2437, 0.1620**, and the grayscale version is **20.0630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1523, 0.3480, 0.4525**, and **8.7073, 0.3552, 0.5500** is the 20% darker color. If you saturate the color by 10%, you get **22.9493, 0.3549, 0.5125**, and if you desaturate by 10%, it is **24.0004, 0.3482, 0.4618**.

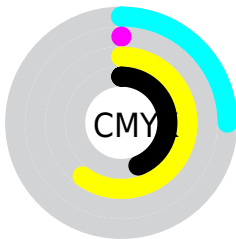
Distribution



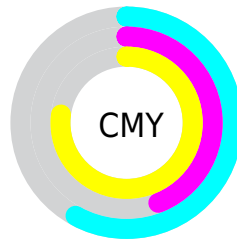
- Red (42%)
- Green (56%)
- Blue (23%)



- Red (23%)
- Yellow (56%)
- Blue (37%)



- Cyan (25%)
- Magenta (0%)
- Yellow (60%)
- Black (44%)





- Cyan (58%)
- Magenta (44%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4402, 0.3525, 0.4884 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 23.4402, 0.3525, 0.4884 by changing the saturation by 10% instead.


 23.4402, 0.3525,
0.4884


 23.4402, 0.3525,
0.4884


 269.9780, 0.3348,
0.3967


 14.9189, 0.3546,
0.5150


 49.1151, 0.3474,
0.4522

 8.7625, 0.3547,
0.5508


 67.0375, 0.3449,
0.4394

 4.5866, 0.3568,
0.6136

 88.8624, 0.3428,
0.4290

 2.0068, 0.3282,
0.6718

 114.9742, 0.3408,
0.4204

 0.6114, 0.0000,
1.0000

 145.7572, 0.3391,
0.4130

 0.0000, 0.0000,
0.0000

 181.5959, 0.3375,

0.4068

222.8747, 0.3361,
0.4014

■ 23.4402, 0.3525,
0.4884

■ 23.4402, 0.3525,
0.4884

■ 22.9493, 0.3549,
0.5125

■ 24.0004, 0.3482,
0.4618

■ 22.5205, 0.3552,
0.5329

■ 24.6304, 0.3424,
0.4338

■ 22.1502, 0.3532,
0.5485

■ 25.3346, 0.3355,
0.4058

■ 21.8272, 0.3496,
0.5604

■ 26.1160, 0.3281,
0.3785

■ 21.8187, 0.3495,
0.5607

■ 26.9774, 0.3203,
0.3525

■ 27.9216, 0.3125,
0.3284

■ 28.9511, 0.3049,
0.3061

■ 30.0684, 0.2976,
0.2859

■ 31.2757, 0.2907,
0.2677

Harmonies

Analogous

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



23.4402, 0.4269, 0.4624



23.4402, 0.3525, 0.4884



23.4402, 0.2719, 0.4532

Triad

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



23.4402, 0.3525, 0.4884



23.4402, 0.1704, 0.2235



23.4402, 0.4236, 0.2866

Complementary

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



23.4402, 0.3525, 0.4884



7.4229, 0.2437, 0.1620

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.



23.4402, 0.3378, 0.2385



23.4402, 0.3525, 0.4884



23.4402, 0.1979, 0.2023

Square

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



23.4402, 0.3525, 0.4884



23.4402, 0.1727, 0.2783



23.4402, 0.2553, 0.2087



23.4402, 0.4762, 0.3450

Rectangle

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



23.4402, 0.3525, 0.4884



23.4402, 0.2256, 0.3974



23.4402, 0.2553, 0.2087



23.4402, 0.3968, 0.2690

Sweetspot

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



23.4412, 0.3525, 0.4884



46.2518, 0.3270, 0.3749



14.2128, 0.4471, 0.3909



10.5186, 0.3290, 0.3819



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



23.4412, 0.3525, 0.4884



40.1737, 0.3553, 0.5206



21.3852, 0.3096, 0.5120



6.1743, 0.3199, 0.3512



19.0108, 0.3499, 0.5604



0.1947, 0.3813, 0.5355

Inverse Universe

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



7.4229, 0.2437, 0.1620



9.2254, 0.2237, 0.1263



10.3456, 0.3079, 0.1892



5.3585, 0.3051, 0.3067



2.6131, 0.1901, 0.0821



0.0375, 0.2398, 0.1095

Previews

White Background



This preview shows how the Yxy color 23.4402, 0.3525, 0.4884 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 23.4402, 0.3525, 0.4884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

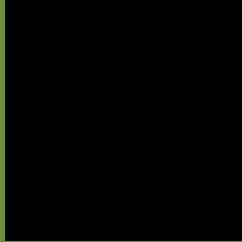
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4402, 0.3525, 0.4884

Background



This preview shows how black text looks on a background with the Yxy color 23.4402, 0.3525, 0.4884.



This preview shows how white text looks on a background with the Yxy color 23.4402, 0.3525, 0.4884.

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

23.4402, 0.3525, 0.4884

Protanopia

23.3468, 0.4123, 0.4521

Deuteranopia

23.1731, 0.4321, 0.4231



Tritanopia

23.3252, 0.2848, 0.3096

Trichromacy



Original Color

23.4402, 0.3525, 0.4884

Protanomaly

23.1634, 0.3891, 0.4662

Deuteranomaly

23.0413, 0.4022, 0.4470

Tritanomaly

23.0367, 0.3117, 0.3741

Monochromacy



Original Color

23.4402, 0.3525, 0.4884

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.9850, 0.3320, 0.3905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4402, 0.3525, 0.4884 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(108, 144, 58)` looks like.

```
.text, #text, p{  
    color:rgb(108, 144, 58)  
}
```

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(108, 144, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 144, 58) }
```

Border

The CSS property to change the border of an element to Yxy 23.4402, 0.3525, 0.4884 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(108, 144, 58) }
```

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

```
.border{ border-color:rgb(108, 144, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 144, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 144, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 144, 58);  
box-shadow:4px 4px 4px 4px rgb(108, 144,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4402, 0.3525, 0.4884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 144, 58) }
```

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

```
.background{ background-color: rgb(108,  
144, 58) }
```

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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