

Converting Colors

$Y_{xy}(24.4592, 0.4353, 0.4634)$

Have a look what the booklet for
Yxy(24.4592, 0.4353, 0.4634)
contains.

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Color

Yxy(24.4592, 0.4353, 0.4634)

Conversions

Conversions Part 1

Format	Color
Hex	9E8626
RGB	158, 134, 38
RGB Percent	62%, 53%, 15%
CMY	0.3804, 0.4745, 0.8508
CMYK	0.00, 0.15, 0.76, 0.38
HSL	48°, 61%, 38%
HSV	48°, 76%, 62%
XYZ	22.9760, 24.4592, 5.3468
YIQ	130.2320, 45.1200, -24.7680

Conversions

Conversions Part 2

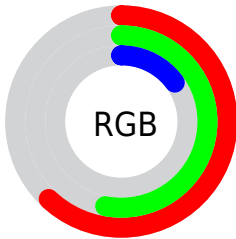
Format	Color
RYB	68, 158, 38
Decimal	10389030
CIELab	56.54, -1.22, 51.84
CIELCh	57, 51.853, 91.352
Yxy	24.4592, 0.4353, 0.4634
Android (android.graphics.Color)	4288579110 (0xFF9E8626)
YUV	130.2320, -45.4704, 24.3525
Hunter-Lab	49.4562, -3.6222, 28.2094

Details

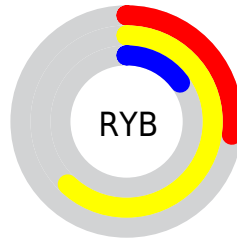
The Yxy color **24.4592, 0.4353, 0.4634** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.3305, 0.1807, 0.1315**, and the grayscale version is **22.5639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8778, 0.4140, 0.4394**, and **9.3806, 0.4519, 0.4794** is the 20% darker color. If you saturate the color by 10%, you get **23.5183, 0.4469, 0.4704**, and if you desaturate by 10%, it is **25.4719, 0.4212, 0.4521**.

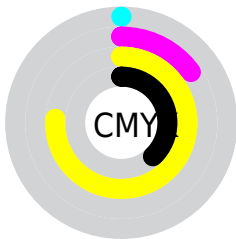
Distribution



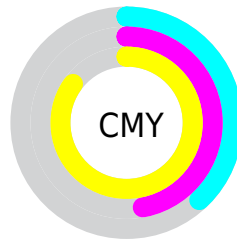
- Red (62%)
- Green (53%)
- Blue (15%)



- Red (27%)
- Yellow (62%)
- Blue (15%)



- Cyan (0%)
- Magenta (15%)
- Yellow (76%)
- Black (38%)




- Cyan (38%)
- Magenta (47%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4592, 0.4353, 0.4634 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 24.4592, 0.4353, 0.4634 by changing the saturation by 10% instead.


 24.4592, 0.4353,
0.4634


 24.4592, 0.4353,
0.4634


275.1339, 0.3730,
0.3945


 15.6746, 0.4486,
0.4785


 50.7785, 0.4136,
0.4392


 9.2942, 0.4631,
0.4953


 69.0820, 0.4051,
0.4297


 4.9336, 0.4823,
0.5177

 91.3273, 0.3977,
0.4216

 2.2083, 0.4807,
0.5193

 117.8987, 0.3914,
0.4146

 0.7245, 0.4762,
0.5238

 149.1807, 0.3858,
0.4086

 0.0000, 0.0000,
0.0000

 185.5576, 0.3810,

0.4033

227.4139, 0.3768,
0.3986

■ 24.4592, 0.4353,
0.4634

■ 24.4592, 0.4353,
0.4634

■ 23.5183, 0.4469,
0.4704

■ 25.4719, 0.4212,
0.4521

■ 22.6387, 0.4558,
0.4730

■ 26.5579, 0.4053,
0.4372

■ 22.2918, 0.4592,
0.4736

■ 27.7228, 0.3883,
0.4197

■ 28.9708, 0.3709,
0.4004

■ 30.3053, 0.3537,
0.3802

■ 31.7297, 0.3371,
0.3600

■ 33.2472, 0.3215,
0.3403

■ 34.8608, 0.3069,
0.3214

■ 36.5731, 0.2936,
0.3037

Harmonies

Analogous

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



24.4592, 0.4829, 0.4039



24.4592, 0.4353, 0.4634



24.4592, 0.3592, 0.4954

Triad

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



24.4592, 0.4353, 0.4634



24.4592, 0.1690, 0.2811



24.4592, 0.3319, 0.2323

Complementary

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



24.4592, 0.4353, 0.4634



6.3305, 0.1807, 0.1315

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.



24.4592, 0.2476, 0.2032



24.4592, 0.4353, 0.4634



24.4592, 0.1646, 0.2221

Square

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



24.4592, 0.4353, 0.4634



24.4592, 0.2064, 0.3741



24.4592, 0.1907, 0.1983



24.4592, 0.4226, 0.2807

Rectangle

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



24.4592, 0.4353, 0.4634



24.4592, 0.3029, 0.4831



24.4592, 0.1907, 0.1983



24.4592, 0.3015, 0.2202

Sweetspot

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



24.4604, 0.4353, 0.4634



55.6592, 0.3495, 0.3752



9.0283, 0.5151, 0.2958



12.3537, 0.3553, 0.3822



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



24.4604, 0.4353, 0.4634



41.6039, 0.4533, 0.4726



28.8799, 0.3725, 0.5150



7.4948, 0.3265, 0.3468



17.9094, 0.4588, 0.4739



0.3729, 0.4405, 0.4884

Inverse Universe

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



6.3305, 0.1807, 0.1315



7.4640, 0.1614, 0.0935



5.2361, 0.2003, 0.1099



6.6395, 0.2988, 0.3106



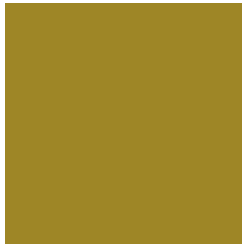
2.8347, 0.1563, 0.0825



0.1018, 0.1737, 0.1454

Previews

White Background



This preview shows how the Yxy color 24.4592, 0.4353, 0.4634 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 24.4592, 0.4353, 0.4634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

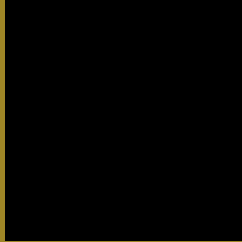
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4592, 0.4353, 0.4634

Background



This preview shows how black text looks on a background with the Yxy color 24.4592, 0.4353, 0.4634.



This preview shows how white text looks on a background with the Yxy color 24.4592, 0.4353, 0.4634.

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

24.4592, 0.4353, 0.4634

Protanopia

24.4302, 0.4252, 0.4696

Deuteranopia

24.3998, 0.4542, 0.4467



Tritanopia

24.4158, 0.3497, 0.3137

Trichromacy



Original Color

24.4592, 0.4353, 0.4634

Protanomaly

24.3445, 0.4288, 0.4669

Deuteranomaly

24.4861, 0.4478, 0.4529

Tritanomaly

24.0398, 0.3873, 0.3736

Monochromacy



Original Color

24.4592, 0.4353, 0.4634

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.6711, 0.3615, 0.3886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4592, 0.4353, 0.4634 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(158, 134, 38)` looks like.

```
.text, #text, p{  
    color:rgb(158, 134, 38)  
}
```

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(158, 134, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 134, 38) }
```

Border

The CSS property to change the border of an element to Yxy 24.4592, 0.4353, 0.4634 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(158, 134, 38) }
```

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

```
.border{ border-color:rgb(158, 134, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 134, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 134, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 134, 38);  
box-shadow:4px 4px 4px 4px rgb(158, 134,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4592, 0.4353, 0.4634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 134, 38) }
```

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

```
.background{ background-color: rgb(158,  
134, 38) }
```

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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