

Converting Colors

$Y_{xy}(24.4103, 0.4051, 0.5166)$

Have a look what the booklet for
Yxy(24.4103, 0.4051, 0.5166)
contains.

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Color

Yxy(24.4702, 0.4050, 0.5166)

Conversions

Conversions Part 1

Format	Color
Hex	838F00
RGB	131, 143, 0
RGB Percent	51%, 56%, 0%
CMY	0.4862, 0.4392, 0.9997
CMYK	0.08, 0.00, 1.00, 0.44
HSL	65°, 100%, 28%
HSV	65°, 100%, 56%
XYZ	19.1840, 24.4702, 3.7136
YIQ	123.1100, 38.7510, -47.0170

Conversions

Conversions Part 2

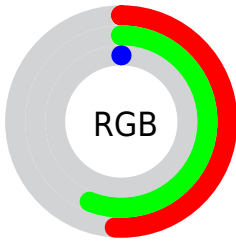
Format	Color
RYB	0, 143, 12
Decimal	8621824
CIELab	56.56, -19.45, 60.24
CIELCh	57, 63.297, 107.891
Yxy	24.4702, 0.4050, 0.5166
Android (android.graphics.Color)	4286811904 (0xFF838F00)
YUV	123.1100, -60.6932, 6.9195
Hunter-Lab	49.4674, -17.3437, 30.1761

Details

The Yxy color **24.4702, 0.4050, 0.5166** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.0631, 0.1535, 0.0620**, and the grayscale version is **20.0438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9395, 0.3923, 0.4808**, and **9.4065, 0.3912, 0.5276** is the 20% darker color. If you saturate the color by 10%, you get **24.4708, 0.4050, 0.5166**, and if you desaturate by 10%, it is **24.6002, 0.4035, 0.5103**.

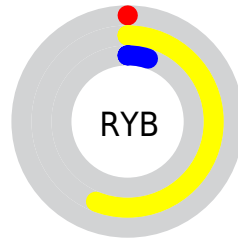
Distribution



Red (51%)

Green (56%)

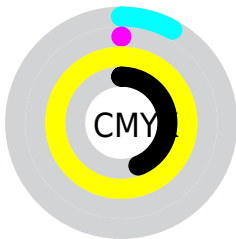
Blue (0%)



Red (0%)

Yellow (56%)

Blue (5%)

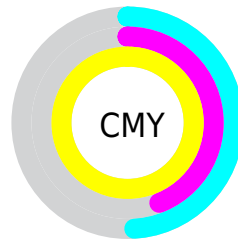


Cyan (8%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (49%)

Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4702, 0.4050, 0.5166 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 24.4702, 0.4050, 0.5166 by changing the saturation by 10% instead.


 24.4702, 0.4050,
0.5166


 24.4702, 0.4050,
0.5166


275.1891, 0.3639,
0.4166


 15.6828, 0.4098,
0.5397


 50.7964, 0.3932,
0.4806


 9.3000, 0.4156,
0.5724


 69.1040, 0.3876,
0.4667

 4.9374, 0.4044,
0.5956

 91.3538, 0.3825,
0.4550

 2.2105, 0.3779,
0.6221

 117.9301, 0.3779,
0.4450

 0.7257, 0.2286,
0.7714

 149.2174, 0.3738,
0.4364

 0.0000, 0.0000,
0.0000


 185.6001, 0.3702,

0.4289


 227.4625, 0.3669,
0.4224


 24.4702, 0.4050,
0.5166


 24.4702, 0.4050,
0.5166


 24.4708, 0.4050,
0.5166

 24.6002, 0.4035,
0.5103

 24.7521, 0.4003,
0.5010

 24.9378, 0.3946,
0.4875

 25.1614, 0.3866,
0.4701

 25.4263, 0.3765,
0.4495

■ 25.7358, 0.3649,
0.4266

■ 26.0925, 0.3522,
0.4022

■ 26.4989, 0.3390,
0.3774

■ 26.9575, 0.3257,
0.3527

Harmonies

Analogous

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



24.4702, 0.4856, 0.4510



24.4702, 0.4050, 0.5166



24.4702, 0.3075, 0.5270

Triad

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



24.4702, 0.4050, 0.5166



24.4702, 0.1380, 0.2249



24.4702, 0.3978, 0.2435

Complementary

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



24.4702, 0.4050, 0.5166



2.0631, 0.1535, 0.0620

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.



24.4702, 0.2857, 0.1976



24.4702, 0.4050, 0.5166



24.4702, 0.1525, 0.1828

Square

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



24.4702, 0.4050, 0.5166



24.4702, 0.1573, 0.3145



24.4702, 0.2005, 0.1761



24.4702, 0.4933, 0.3060

Rectangle

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



24.4702, 0.4050, 0.5166



24.4702, 0.2442, 0.4790



24.4702, 0.2005, 0.1761



24.4702, 0.3594, 0.2258

Sweetspot

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



24.4713, 0.4050, 0.5166



46.6811, 0.3531, 0.4039



6.1022, 0.6318, 0.3364



10.6478, 0.3579, 0.4132



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.



24.4713, 0.4050, 0.5166



43.7868, 0.4047, 0.5169



20.5941, 0.3274, 0.5782



6.2627, 0.3247, 0.3508



21.6410, 0.4051, 0.5166



0.2113, 0.4126, 0.5106

Inverse Universe

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



2.0631, 0.1535, 0.0620



3.6584, 0.1527, 0.0615



3.8438, 0.2214, 0.0994



5.2753, 0.3002, 0.3064



1.8270, 0.1537, 0.0620



0.0209, 0.1711, 0.0716

Previews

White Background



This preview shows how the Yxy color 24.4702, 0.4050, 0.5166 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 24.4702, 0.4050, 0.5166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

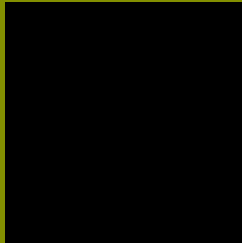
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4702, 0.4050, 0.5166

Background



This preview shows how black text looks on a background with the Yxy color 24.4702, 0.4050, 0.5166.



This preview shows how white text looks on a background with the Yxy color 24.4702, 0.4050, 0.5166.

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

24.4702, 0.4050, 0.5166

Protanopia

24.3806, 0.4400, 0.4889

Deuteranopia

24.4244, 0.4637, 0.4565



Tritanopia

24.4209, 0.3112, 0.3124

Trichromacy



Original Color

24.4702, 0.4050, 0.5166

Protanomaly

24.4850, 0.4266, 0.4995

Deuteranomaly

24.1526, 0.4428, 0.4791

Tritanomaly

23.9650, 0.3614, 0.4095

Monochromacy



Original Color

24.4702, 0.4050, 0.5166

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.9509, 0.3649, 0.4257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4702, 0.4050, 0.5166 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(131, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(131, 143, 0)  
}
```

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(131, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 143, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.4702, 0.4050, 0.5166 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(131, 143, 0) }
```

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

```
.border{ border-color:rgb(131, 143, 0) }
```

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

Here you see how a box with a 4 pixel rgb(131, 143, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(131, 143,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4702, 0.4050, 0.5166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 143, 0) }
```

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

```
.background{ background-color: rgb(131,  
143, 0) }
```

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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