

Converting Colors

$Y_{xy}(23.7820, 0.4278, 0.5117)$

Have a look what the booklet for
Yxy(23.7820, 0.4278, 0.5117)
contains.

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Color

$Yxy(23.8397, 0.4230, 0.5024)$

Conversions

Conversions Part 1

Format	Color
Hex	8D8A00
RGB	141, 138, 0
RGB Percent	55%, 54%, 0%
CMY	0.4471, 0.4588, 1.0000
CMYK	0.00, 0.02, 1.00, 0.45
HSL	59°, 100%, 28%
HSV	59°, 100%, 55%
XYZ	20.0720, 23.8397, 3.5399
YIQ	123.1650, 46.0860, -42.2820

Conversions

Conversions Part 2

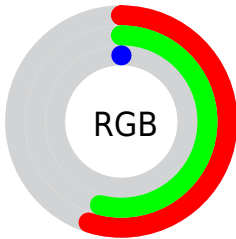
Format	Color
RYB	3, 141, 0
Decimal	9275904
CIELab	55.93, -12.28, 60.18
CIELCh	56, 61.419, 101.531
Yxy	23.8397, 0.4230, 0.5024
Android (android.graphics.Color)	4287465984 (0xFF8D8A00)
YUV	123.1650, -60.7203, 15.6413
Hunter-Lab	48.8259, -12.0651, 29.8796

Details

The Yxy color **23.8397, 0.4230, 0.5024** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **1.9879, 0.1505, 0.0618**, and the grayscale version is **20.0585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6970, 0.4070, 0.4704**, and **9.0057, 0.4175, 0.5067** is the 20% darker color. If you saturate the color by 10%, you get **23.8411, 0.4230, 0.5024**, and if you desaturate by 10%, it is **23.9590, 0.4196, 0.4978**.

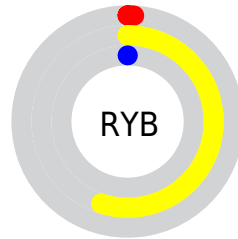
Distribution



Red (55%)

Green (54%)

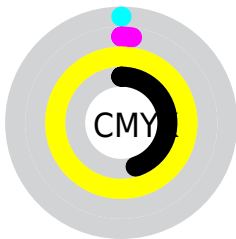
Blue (0%)



Red (1%)

Yellow (55%)

Blue (0%)

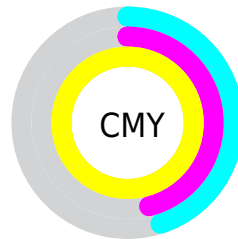


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (45%)



Cyan (45%)


Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8397, 0.4230, 0.5024 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 23.8397, 0.4230, 0.5024 by changing the saturation by 10% instead.


 23.8397, 0.4230,
0.5024


 23.8397, 0.4230,
0.5024


272.0091, 0.3714,
0.4121


 15.2148, 0.4308,
0.5220


 49.7685, 0.4070,
0.4707

 8.9702, 0.4418,
0.5506

 67.8411, 0.4000,
0.4582

 4.7218, 0.4349,
0.5651


 89.8318, 0.3937,
0.4475

 2.0850, 0.4180,
0.5820

 116.1248, 0.3881,
0.4384

 0.6561, 0.3305,
0.6695


 147.1047, 0.3832,
0.4304

 0.0000, 0.0000,
0.0000


 183.1557, 0.3788,


0.4235


 224.6624, 0.3749,
0.4174


 23.8397, 0.4230,
0.5024

 23.8397, 0.4230,
0.5024


 23.8411, 0.4230,
0.5024

 23.9590, 0.4196,
0.4978

 24.0980, 0.4144,
0.4902

 24.2689, 0.4067,
0.4786

 24.4757, 0.3967,
0.4631

 24.7216, 0.3847,
0.4442

■ 25.0097, 0.3712,
0.4228

■ 25.3427, 0.3568,
0.3998

■ 25.7229, 0.3419,
0.3760

■ 26.1526, 0.3271,
0.3522

Harmonies

Analogous

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



23.8397, 0.4953, 0.4342



23.8397, 0.4230, 0.5024



23.8397, 0.3289, 0.5279

Triad

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



23.8397, 0.4230, 0.5024



23.8397, 0.1419, 0.2416



23.8397, 0.3723, 0.2337

Complementary

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



23.8397, 0.4230, 0.5024



1.9879, 0.1505, 0.0618

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.



23.8397, 0.2657, 0.1930



23.8397, 0.4230, 0.5024



23.8397, 0.1493, 0.1909

Square

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



23.8397, 0.4230, 0.5024



23.8397, 0.1690, 0.3398



23.8397, 0.1895, 0.1774



23.8397, 0.4739, 0.2928

Rectangle

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



23.8397, 0.4230, 0.5024



23.8397, 0.2649, 0.4949



23.8397, 0.1895, 0.1774



23.8397, 0.3348, 0.2176

Sweetspot

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



23.8411, 0.4230, 0.5024



45.3463, 0.3577, 0.4013



5.6727, 0.6352, 0.3273



10.0773, 0.3631, 0.4099



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.



23.8411, 0.4230, 0.5024



42.6650, 0.4230, 0.5023



20.5525, 0.3427, 0.5661



6.2661, 0.3259, 0.3503



21.7429, 0.4230, 0.5024



0.2119, 0.4210, 0.5039

Inverse Universe

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



1.9879, 0.1505, 0.0618



3.5285, 0.1504, 0.0613



3.0742, 0.1981, 0.0865



5.2722, 0.2990, 0.3068



1.8157, 0.1505, 0.0619



0.0203, 0.1531, 0.0711

Previews

White Background



This preview shows how the Yxy color 23.8397, 0.4230, 0.5024 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 23.8397, 0.4230, 0.5024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

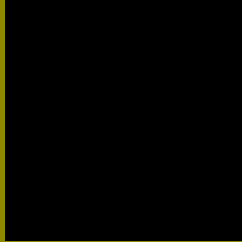
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8397, 0.4230, 0.5024

Background



This preview shows how black text looks on a background with the Yxy color 23.8397, 0.4230, 0.5024.



This preview shows how white text looks on a background with the Yxy color 23.8397, 0.4230, 0.5024.

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

23.8397, 0.4230, 0.5024

Protanopia

23.6295, 0.4402, 0.4887

Deuteranopia

23.6643, 0.4657, 0.4577



Tritanopia

23.7574, 0.3276, 0.3128

Trichromacy



Original Color

23.8397, 0.4230, 0.5024

Protanomaly

23.5310, 0.4341, 0.4935

Deuteranomaly

23.6326, 0.4509, 0.4738

Tritanomaly

23.4102, 0.3798, 0.4033

Monochromacy



Original Color

23.8397, 0.4230, 0.5024

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.7342, 0.3714, 0.4207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8397, 0.4230, 0.5024 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(141, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(141, 138, 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(141, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 138, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.8397, 0.4230, 0.5024 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(141, 138, 0) }
```

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

```
.border{ border-color:rgb(141, 138, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 138, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(141, 138,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8397, 0.4230, 0.5024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 138, 0) }
```

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

```
.background{ background-color: rgb(141,  
138, 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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