

Converting Colors

$Y_{xy}(23.8879, 0.4284, 0.5513)$

Have a look what the booklet for
Yxy(23.8879, 0.4284, 0.5513)
contains.

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Color

Yxy(24.2515, 0.4073, 0.5148)

Conversions

Conversions Part 1

Format	Color
Hex	848E00
RGB	132, 142, 0
RGB Percent	52%, 56%, 0%
CMY	0.4824, 0.4431, 1.0000
CMYK	0.07, 0.00, 1.00, 0.44
HSL	64°, 100%, 28%
HSV	64°, 100%, 56%
XYZ	19.1873, 24.2515, 3.6698
YIQ	122.8220, 39.6220, -46.2820

Conversions

Conversions Part 2

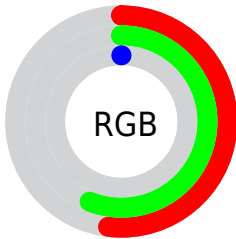
Format	Color
RYB	0, 142, 10
Decimal	8687104
CIELab	56.34, -18.49, 60.12
CIELCh	56, 62.899, 107.099
Yxy	24.2515, 0.4073, 0.5148
Android (android.graphics.Color)	4286877184 (0xFF848E00)
YUV	122.8220, -60.5512, 8.0491
Hunter-Lab	49.2458, -16.6324, 30.0538

Details

The Yxy color **24.2515, 0.4073, 0.5148** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.0182, 0.1530, 0.0616**, and the grayscale version is **19.9396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6009, 0.3944, 0.4803**, and **9.2740, 0.3945, 0.5250** is the 20% darker color. If you saturate the color by 10%, you get **24.2525, 0.4073, 0.5148**, and if you desaturate by 10%, it is **24.3660, 0.4056, 0.5087**.

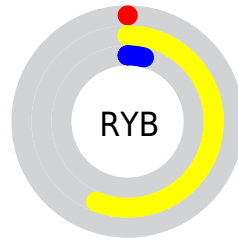
Distribution



Red (52%)

Green (56%)

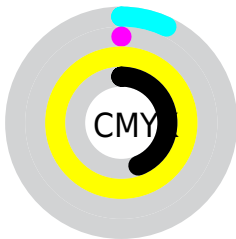
Blue (0%)



Red (0%)

Yellow (56%)

Blue (4%)

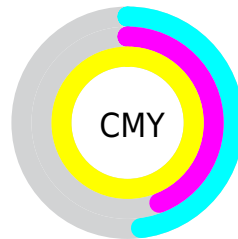


Cyan (7%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (48%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2515, 0.4073, 0.5148 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 24.2515, 0.4073, 0.5148 by changing the saturation by 10% instead.


 24.2515, 0.4073,
0.5148

 24.2515, 0.4073,
0.5148


274.0895, 0.3648,
0.4159


 15.5203, 0.4125,
0.5375


 50.4403, 0.3949,
0.4793

 9.1853, 0.4191,
0.5699


 68.6667, 0.3892,
0.4656

 4.8623, 0.4082,
0.5918

 90.8269, 0.3839,
0.4540

 2.1667, 0.3828,
0.6172

 117.3054, 0.3792,
0.4441


 0.7017, 0.2350,
0.7650


 148.4865, 0.3750,
0.4355


 0.0000, 0.0000,
0.0000


 184.7546, 0.3712,

0.4281


 226.4942, 0.3678,
0.4216

 24.2515, 0.4073,
0.5148

 24.2515, 0.4073,
0.5148


 24.2525, 0.4073,
0.5148

 24.3660, 0.4056,
0.5087

 24.5015, 0.4021,
0.4997

 24.6700, 0.3962,
0.4864

 24.8755, 0.3879,
0.4693

 25.1214, 0.3776,
0.4490

■ 25.4106, 0.3658,
0.4263

■ 25.7460, 0.3529,
0.4021

■ 26.1300, 0.3394,
0.3774

■ 26.5650, 0.3259,
0.3528

Harmonies

Analogous

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



24.2515, 0.4869, 0.4489



24.2515, 0.4073, 0.5148



24.2515, 0.3102, 0.5272

Triad

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



24.2515, 0.4073, 0.5148



24.2515, 0.1385, 0.2269



24.2515, 0.3945, 0.2422

Complementary

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



24.2515, 0.4073, 0.5148



2.0182, 0.1530, 0.0616

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.



24.2515, 0.2831, 0.1970



24.2515, 0.4073, 0.5148



24.2515, 0.1521, 0.1838

Square

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



24.2515, 0.4073, 0.5148



24.2515, 0.1588, 0.3176



24.2515, 0.1991, 0.1762



24.2515, 0.4909, 0.3043

Rectangle

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



24.2515, 0.4073, 0.5148



24.2515, 0.2468, 0.4812



24.2515, 0.1991, 0.1762



24.2515, 0.3563, 0.2248

Sweetspot

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



24.2526, 0.4073, 0.5148



45.3562, 0.3537, 0.4037



5.9572, 0.6335, 0.3352



10.0800, 0.3585, 0.4127



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.



24.2526, 0.4073, 0.5148



42.7331, 0.4070, 0.5150



20.3575, 0.3295, 0.5766



6.2663, 0.3249, 0.3508



21.7761, 0.4073, 0.5148



0.2120, 0.4137, 0.5097

Inverse Universe

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



2.0182, 0.1530, 0.0616



3.5292, 0.1522, 0.0612



3.6797, 0.2179, 0.0974



5.2720, 0.3000, 0.3064



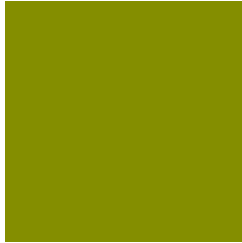
1.8150, 0.1531, 0.0617



0.0202, 0.1679, 0.0698

Previews

White Background



This preview shows how the Yxy color 24.2515, 0.4073, 0.5148 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 24.2515, 0.4073, 0.5148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

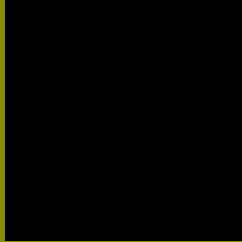
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2515, 0.4073, 0.5148

Background



This preview shows how black text looks on a background with the Yxy color 24.2515, 0.4073, 0.5148.



This preview shows how white text looks on a background with the Yxy color 24.2515, 0.4073, 0.5148.

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

24.2515, 0.4073, 0.5148

Protanopia

24.0033, 0.4401, 0.4888

Deuteranopia

24.0463, 0.4643, 0.4566



Tritanopia

24.2063, 0.3135, 0.3124

Trichromacy



Original Color

24.2515, 0.4073, 0.5148

Protanomaly

24.1967, 0.4278, 0.4985

Deuteranomaly

23.8775, 0.4441, 0.4780

Tritanomaly

23.7498, 0.3642, 0.4093

Monochromacy



Original Color

24.2515, 0.4073, 0.5148

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 24.2515, 0.4073, 0.5148 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(132, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(132, 142, 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(132, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 142, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.2515, 0.4073, 0.5148 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(132, 142, 0) }
```

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

```
.border{ border-color:rgb(132, 142, 0) }
```

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

Here you see how a box with a 4 pixel rgb(132, 142, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(132, 142,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2515, 0.4073, 0.5148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 142, 0) }
```

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

```
.background{ background-color: rgb(132,  
142, 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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