

Converting Colors

$Y_{xy}(24.6644, 0.4133, 0.5100)$

Have a look what the booklet for
Yxy(24.6644, 0.4133, 0.5100)
contains.

Yxy(24.6644, 0.4133, 0.5100)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(24.6644, 0.4133, 0.5100)$

Conversions

Conversions Part 1

Format	Color
Hex	898E00
RGB	137, 142, 0
RGB Percent	54%, 56%, 0%
CMY	0.4628, 0.4431, 0.9997
CMYK	0.04, 0.00, 1.00, 0.44
HSL	62°, 100%, 28%
HSV	62°, 100%, 56%
XYZ	19.9878, 24.6644, 3.7093
YIQ	124.3170, 42.6020, -45.2220

Conversions

Conversions Part 2

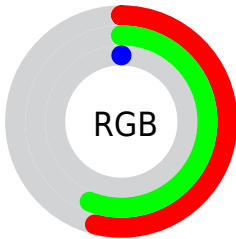
Format	Color
RYB	0, 142, 5
Decimal	9014784
CIELab	56.75, -16.23, 60.59
CIElCh	57, 62.727, 104.995
Yxy	24.6644, 0.4133, 0.5100
Android (android.graphics.Color)	4287204864 (0xFF898E00)
YUV	124.3170, -61.2883, 11.1230
Hunter-Lab	49.6633, -15.0703, 30.3359

Details

The Yxy color **24.6644, 0.4133, 0.5100** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **1.9880, 0.1515, 0.0609**, and the grayscale version is **20.4686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9417, 0.4000, 0.4753**, and **9.4933, 0.4034, 0.5179** is the 20% darker color. If you saturate the color by 10%, you get **24.6651, 0.4133, 0.5100**, and if you desaturate by 10%, it is **24.7404, 0.4110, 0.5046**.

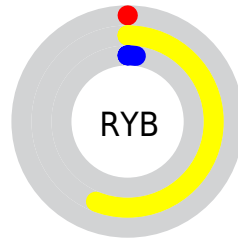
Distribution



Red (54%)

Green (56%)

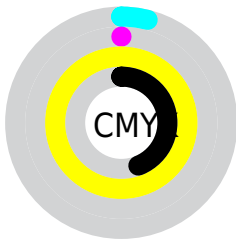
Blue (0%)



Red (0%)

Yellow (56%)

Blue (2%)

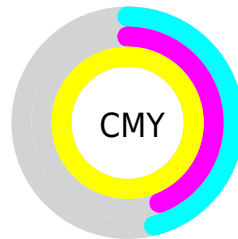


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (46%)


Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6644, 0.4133, 0.5100 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 24.6644, 0.4133, 0.5100 by changing the saturation by 10% instead.


 24.6644, 0.4133,
0.5100

 24.6644, 0.4133,
0.5100


276.1625, 0.3675,
0.4148


 15.8272, 0.4194,
0.5313


 51.1123, 0.3996,
0.4761


 9.4020, 0.4272,
0.5613


 69.4917, 0.3934,
0.4630


 5.0043, 0.4189,
0.5811

 91.8207, 0.3878,
0.4518

 2.2498, 0.3972,
0.6028

 118.4836, 0.3828,
0.4422


 0.7469, 0.2958,
0.7042

 149.8648, 0.3783,
0.4339

 0.0000, 0.0000,
0.0000


 186.3488, 0.3743,

0.4267

 228.3199, 0.3707,
0.4204


 24.6644, 0.4133,
0.5100


 24.6644, 0.4133,
0.5100

 24.6651, 0.4133,
0.5100

 24.7404, 0.4110,
0.5046

 24.8369, 0.4069,
0.4962

 24.9659, 0.4004,
0.4837

 25.1312, 0.3915,
0.4673

 25.3364, 0.3806,
0.4475

■ 25.5844, 0.3681,
0.4253

■ 25.8779, 0.3546,
0.4015

■ 26.2195, 0.3405,
0.3770

■ 26.6115, 0.3264,
0.3526

Harmonies

Analogous

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



24.6644, 0.4901, 0.4432



24.6644, 0.4133, 0.5100



24.6644, 0.3173, 0.5276

Triad

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



24.6644, 0.4133, 0.5100



24.6644, 0.1398, 0.2325



24.6644, 0.3860, 0.2390

Complementary

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



24.6644, 0.4133, 0.5100



1.9880, 0.1515, 0.0609

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.



24.6644, 0.2764, 0.1955



24.6644, 0.4133, 0.5100



24.6644, 0.1511, 0.1865

Square

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



24.6644, 0.4133, 0.5100



24.6644, 0.1627, 0.3260



24.6644, 0.1955, 0.1768



24.6644, 0.4844, 0.3000

Rectangle

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



24.6644, 0.4133, 0.5100



24.6644, 0.2537, 0.4865



24.6644, 0.1955, 0.1768



24.6644, 0.3480, 0.2221

Sweetspot

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



24.6655, 0.4133, 0.5100



45.5897, 0.3555, 0.4032



5.8562, 0.6366, 0.3326



10.1383, 0.3606, 0.4121



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.



24.6655, 0.4133, 0.5100



43.4738, 0.4132, 0.5101



20.5179, 0.3337, 0.5732



6.2758, 0.3254, 0.3508



22.1445, 0.4133, 0.5100



0.2137, 0.4165, 0.5075

Inverse Universe

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



1.9880, 0.1515, 0.0609



3.4859, 0.1511, 0.0606



3.4824, 0.2110, 0.0937



5.2635, 0.2995, 0.3063



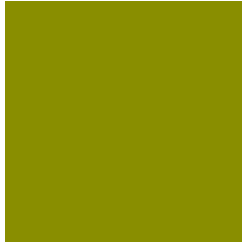
1.7844, 0.1516, 0.0609



0.0185, 0.1591, 0.0650

Previews

White Background



This preview shows how the Yxy color 24.6644, 0.4133, 0.5100 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 24.6644, 0.4133, 0.5100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

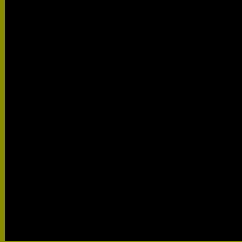
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6644, 0.4133, 0.5100

Background



This preview shows how black text looks on a background with the Yxy color 24.6644, 0.4133, 0.5100.



This preview shows how white text looks on a background with the Yxy color 24.6644, 0.4133, 0.5100.

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

24.6644, 0.4133, 0.5100

Protanopia

24.7613, 0.4398, 0.4890

Deuteranopia

24.5291, 0.4656, 0.4567



Tritanopia

24.6586, 0.3192, 0.3127

Trichromacy



Original Color

24.6644, 0.4133, 0.5100

Protanomaly

24.7611, 0.4301, 0.4967

Deuteranomaly

24.4528, 0.4466, 0.4768

Tritanomaly

24.1861, 0.3703, 0.4075

Monochromacy



Original Color

24.6644, 0.4133, 0.5100

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

21.4642, 0.3672, 0.4241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6644, 0.4133, 0.5100 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(137, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(137, 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(137, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 142, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.6644, 0.4133, 0.5100 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(137, 142, 0) }
```

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

```
.border{ border-color:rgb(137, 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(137, 142, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(137, 142,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6644, 0.4133, 0.5100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 142, 0) }
```

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

```
.background{ background-color: rgb(137,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor