

Converting Colors

$Y_{xy}(24.4826, 0.4523, 0.5185)$

Have a look what the booklet for
Yxy(24.4826, 0.4523, 0.5185)
contains.

Yxy(24.7563, 0.4350, 0.4928)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.7563, 0.4350, 0.4928)

Conversions

Conversions Part 1

Format	Color
Hex	978A00
RGB	151, 138, 0
RGB Percent	59%, 54%, 0%
CMY	0.4078, 0.4588, 0.9999
CMYK	0.00, 0.09, 1.00, 0.41
HSL	55°, 100%, 30%
HSV	55°, 100%, 59%
XYZ	21.8527, 24.7563, 3.6270
YIQ	126.1550, 52.0460, -40.1620

Conversions

Conversions Part 2

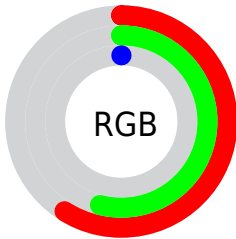
Format	Color
R_{YB}	14, 151, 0
Decimal	9931264
CIE Lab	56.84, -7.65, 61.23
CIE LCh	57, 61.705, 97.117
Yxy	24.7563, 0.4350, 0.4928
Android (android.graphics.Color)	4288121344 (0xFF978A00)
YUV	126.1550, -62.1944, 21.7891
Hunter-Lab	49.7557, -8.6754, 30.5069

Details

The Yxy color **24.7563, 0.4350, 0.4928** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.5236, 0.1519, 0.0669**, and the grayscale version is **21.1243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2466, 0.4169, 0.4644**, and **9.6316, 0.4318, 0.4953** is the 20% darker color. If you saturate the color by 10%, you get **24.7569, 0.4350, 0.4928**, and if you desaturate by 10%, it is **25.1679, 0.4301, 0.4892**.

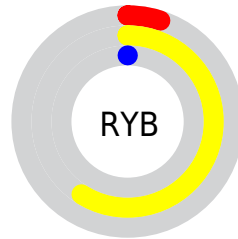
Distribution



Red (59%)

Green (54%)

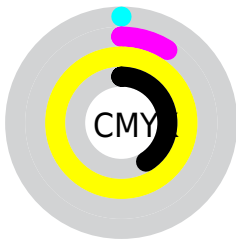
Blue (0%)



Red (5%)

Yellow (59%)

Blue (0%)

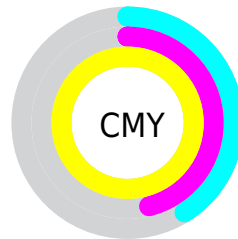


Cyan (0%)

Magenta (9%)

Yellow (100%)

Black (41%)



Cyan (41%)

Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7563, 0.4350, 0.4928 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 24.7563, 0.4350, 0.4928 by changing the saturation by 10% instead.


 24.7563, 0.4350,
0.4928


 24.7563, 0.4350,
0.4928


276.6221, 0.3769,
0.4098


 15.8956, 0.4446,
0.5097


 51.2616, 0.4166,
0.4644

 9.4503, 0.4576,
0.5334


 69.6750, 0.4086,
0.4530


 5.0360, 0.4557,
0.5443

 92.0413, 0.4016,
0.4431

 2.2684, 0.4459,
0.5541

 118.7451, 0.3954,
0.4346

 0.7569, 0.4131,
0.5869

 150.1707, 0.3899,
0.4271


 0.0000, 0.0000,
0.0000


 186.7024, 0.3851,


0.4206


 228.7248, 0.3808,
0.4149


 24.7563, 0.4350,
0.4928


 24.7563, 0.4350,
0.4928


 24.7569, 0.4350,
0.4928

 25.1679, 0.4301,
0.4892

 25.6081, 0.4233,
0.4825

 26.0899, 0.4139,
0.4715

 26.6178, 0.4021,
0.4566

 27.1960, 0.3886,
0.4384

■ 27.8279, 0.3737,
0.4179

■ 28.5168, 0.3582,
0.3959

■ 29.2656, 0.3426,
0.3733

■ 30.0769, 0.3273,
0.3508

Harmonies

Analogous

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



24.7563, 0.5015, 0.4230



24.7563, 0.4350, 0.4928



24.7563, 0.3433, 0.5275

Triad

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



24.7563, 0.4350, 0.4928



24.7563, 0.1446, 0.2536



24.7563, 0.3554, 0.2270

Complementary

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



24.7563, 0.4350, 0.4928



2.5236, 0.1519, 0.0669

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.



24.7563, 0.2526, 0.1899



24.7563, 0.4350, 0.4928



24.7563, 0.1472, 0.1966

Square

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



24.7563, 0.4350, 0.4928



24.7563, 0.1773, 0.3577



24.7563, 0.1822, 0.1784



24.7563, 0.4603, 0.2838

Rectangle

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



24.7563, 0.4350, 0.4928



24.7563, 0.2791, 0.5044



24.7563, 0.1822, 0.1784



24.7563, 0.3187, 0.2120

Sweetspot

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



24.7575, 0.4350, 0.4928



50.9830, 0.3592, 0.3973



6.6157, 0.6262, 0.3223



11.4767, 0.3653, 0.4059



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



24.7575, 0.4350, 0.4928



44.1957, 0.4353, 0.4925



24.3415, 0.3521, 0.5586



7.1318, 0.3262, 0.3491



21.0785, 0.4349, 0.4929



0.3382, 0.4272, 0.4990

Inverse Universe

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



2.5236, 0.1519, 0.0669



4.3999, 0.1515, 0.0653



3.2090, 0.1860, 0.0798



6.1077, 0.2988, 0.3080



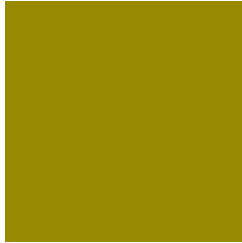
2.1659, 0.1521, 0.0674



0.0523, 0.1616, 0.1018

Previews

White Background



This preview shows how the Yxy color 24.7563, 0.4350, 0.4928 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 Xyz color 24.7563, 0.4350, 0.4928 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 24.7563, 0.4350, 0.4928

Background



This preview shows how black text looks on a background with the Yxy color 24.7563, 0.4350, 0.4928.



This preview shows how white text looks on a background with the Yxy color 24.7563, 0.4350, 0.4928.

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

24.7563, 0.4350, 0.4928

Protanopia

24.7613, 0.4398, 0.4890

Deuteranopia

24.5148, 0.4670, 0.4584



Tritanopia

24.6442, 0.3383, 0.3133

Trichromacy



Original Color

24.7563, 0.4350, 0.4928

Protanomaly

24.6636, 0.4386, 0.4899

Deuteranomaly

24.4192, 0.4558, 0.4712

Tritanomaly

24.2750, 0.3910, 0.4001

Monochromacy



Original Color

24.7563, 0.4350, 0.4928

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.6953, 0.3744, 0.4183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7563, 0.4350, 0.4928 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(151, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(151, 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(151, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 138, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.7563, 0.4350, 0.4928 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(151, 138, 0) }
```

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

```
.border{ border-color:rgb(151, 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(151, 138, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(151, 138,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7563, 0.4350, 0.4928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 138, 0) }
```

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

```
.background{ background-color: rgb(151,  
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](#).

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