

Converting Colors

$Y_{xy}(24.7252, 0.4042, 0.4761)$

Have a look what the booklet for
Yxy(24.7252, 0.4042, 0.4761)
contains.

Yxy(24.7042, 0.4045, 0.4753)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(24.7042, 0.4045, 0.4753)$

Conversions

Conversions Part 1

Format	Color
Hex	8E8C2E
RGB	142, 140, 46
RGB Percent	56%, 55%, 18%
CMY	0.4432, 0.4509, 0.8195
CMYK	0.00, 0.01, 0.68, 0.44
HSL	59°, 51%, 37%
HSV	59°, 68%, 56%
XYZ	21.0243, 24.7042, 6.2475
YIQ	129.8820, 31.3660, -28.8100

Conversions

Conversions Part 2

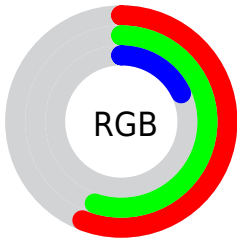
Format	Color
R_{YB}	48, 142, 46
Decimal	9341998
CIE _{Lab}	56.79, -11.35, 48.35
CIE _{LCh}	57, 49.666, 103.205
Yxy	24.7042, 0.4045, 0.4753
Android (android.graphics.Color)	4287532078 (0xFF8E8C2E)
YUV	129.8820, -41.3538, 10.6275
Hunter-Lab	49.7033, -11.4761, 27.3398

Details

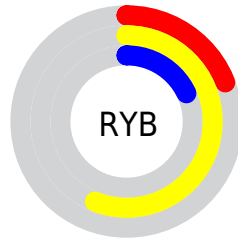
The Yxy color **24.7042, 0.4045, 0.4753** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.6474, 0.1868, 0.1229**, and the grayscale version is **22.4205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0088, 0.3894, 0.4461**, and **9.4362, 0.4175, 0.5067** is the 20% darker color. If you saturate the color by 10%, you get **24.5262, 0.4127, 0.4879**, and if you desaturate by 10%, it is **24.9218, 0.3940, 0.4589**.

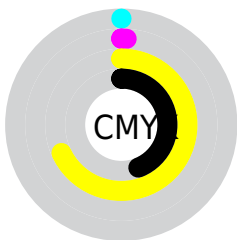
Distribution



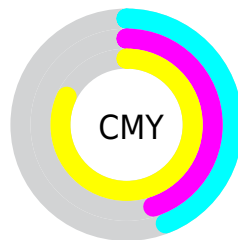
- Red (56%)
- Green (55%)
- Blue (18%)



- Red (19%)
- Yellow (56%)
- Blue (18%)



- Cyan (0%)
- Magenta (1%)
- Yellow (68%)
- Black (44%)




- Cyan (44%)
- Magenta (45%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7042, 0.4045, 0.4753 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 24.7042, 0.4045, 0.4753 by changing the saturation by 10% instead.


 24.7042, 0.4045,
0.4753


 24.7042, 0.4045,
0.4753


276.3616, 0.3588,
0.3964


 15.8568, 0.4137,
0.4950


 51.1769, 0.3889,
0.4461


 9.4229, 0.4230,
0.5188


 69.5711, 0.3826,
0.4352

 5.0180, 0.4400,
0.5600

 91.9163, 0.3772,
0.4260

 2.2578, 0.4251,
0.5749

 118.5969, 0.3725,
0.4183

 0.7513, 0.3678,
0.6322

 149.9973, 0.3684,
0.4116

 0.0000, 0.0000,
0.0000

 186.5020, 0.3648,

0.4059

228.4953, 0.3616,
0.4008

■ 24.7042, 0.4045,
0.4753

■ 24.7042, 0.4045,
0.4753

■ 24.5262, 0.4127,
0.4879

■ 24.9218, 0.3940,
0.4589

■ 24.3805, 0.4185,
0.4964

■ 25.1788, 0.3816,
0.4394

■ 24.2609, 0.4221,
0.5014

■ 25.4793, 0.3678,
0.4175

■ 24.2329, 0.4228,
0.5025

■ 25.8260, 0.3532,
0.3942

■ 26.2213, 0.3383,
0.3703

■ 26.6675, 0.3236,
0.3465

■ 27.1667, 0.3093,
0.3235

■ 27.7209, 0.2958,
0.3016

■ 28.3321, 0.2832,
0.2811

Harmonies

Analogous

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



24.7042, 0.4630, 0.4259



24.7042, 0.4045, 0.4753



24.7042, 0.3261, 0.4840

Triad

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



24.7042, 0.4045, 0.4753



24.7042, 0.1690, 0.2569



24.7042, 0.3667, 0.2526

Complementary

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



24.7042, 0.4045, 0.4753



4.6474, 0.1868, 0.1229

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.



24.7042, 0.2799, 0.2163



24.7042, 0.4045, 0.4753



24.7042, 0.1765, 0.2137

Square

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



24.7042, 0.4045, 0.4753



24.7042, 0.1926, 0.3348



24.7042, 0.2135, 0.2019



24.7042, 0.4454, 0.3048

Rectangle

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



24.7042, 0.4045, 0.4753



24.7042, 0.2728, 0.4534



24.7042, 0.2135, 0.2019



24.7042, 0.3368, 0.2384

Sweetspot

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



24.7053, 0.4045, 0.4753



46.0474, 0.3425, 0.3771



7.9287, 0.5198, 0.3248



10.2461, 0.3462, 0.3830



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.



24.7053, 0.4045, 0.4753



43.1257, 0.4160, 0.4928



22.0897, 0.3494, 0.5106



6.2667, 0.3259, 0.3503



21.7681, 0.4228, 0.5025



0.2120, 0.4209, 0.5040

Inverse Universe

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



4.6474, 0.1868, 0.1229



5.1814, 0.1644, 0.0853



6.1227, 0.2389, 0.1440



5.2716, 0.2990, 0.3068



1.8137, 0.1505, 0.0619



0.0202, 0.1530, 0.0708

Previews

White Background



This preview shows how the Yxy color 24.7042, 0.4045, 0.4753 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 24.7042, 0.4045, 0.4753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

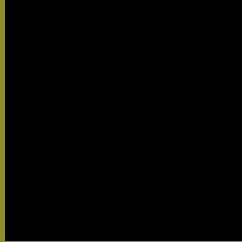
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7042, 0.4045, 0.4753

Background



This preview shows how black text looks on a background with the Yxy color 24.7042, 0.4045, 0.4753.



This preview shows how white text looks on a background with the Yxy color 24.7042, 0.4045, 0.4753.

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

24.7042, 0.4045, 0.4753

Protanopia

24.4732, 0.4215, 0.4641

Deuteranopia

24.4769, 0.4473, 0.4378



Tritanopia

24.6397, 0.3238, 0.3129

Trichromacy



Original Color

24.7042, 0.4045, 0.4753

Protanomaly

24.3767, 0.4156, 0.4683

Deuteranomaly

24.4704, 0.4316, 0.4506

Tritanomaly

24.2938, 0.3587, 0.3763

Monochromacy



Original Color

24.7042, 0.4045, 0.4753

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

23.0194, 0.3506, 0.3916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7042, 0.4045, 0.4753 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(142, 140, 46)` looks like.

```
.text, #text, p{  
    color:rgb(142, 140, 46)  
}
```

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(142, 140, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 140, 46) }
```

Border

The CSS property to change the border of an element to Yxy 24.7042, 0.4045, 0.4753 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(142, 140, 46) }
```

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

```
.border{ border-color:rgb(142, 140, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 140, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 140, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 140, 46);  
box-shadow:4px 4px 4px 4px rgb(142, 140,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7042, 0.4045, 0.4753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 140, 46) }
```

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

```
.background{ background-color: rgb(142,  
140, 46) }
```

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