

Converting Colors

$Y_{xy}(24.7114, 0.4039, 0.4845)$

Have a look what the booklet for
Yxy(24.7114, 0.4039, 0.4845)
contains.

Yxy(24.6919, 0.4035, 0.4848)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(24.6919, 0.4035, 0.4848)$

Conversions

Conversions Part 1

Format	Color
Hex	8B8D28
RGB	139, 141, 40
RGB Percent	55%, 55%, 16%
CMY	0.4550, 0.4470, 0.8432
CMYK	0.01, 0.00, 0.72, 0.45
HSL	61°, 56%, 35%
HSV	61°, 72%, 55%
XYZ	20.5511, 24.6919, 5.6891
YIQ	128.8880, 31.2290, -31.8350

Conversions

Conversions Part 2

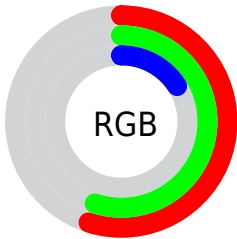
Format	Color
R_{YB}	40, 141, 42
Decimal	9145640
CIE _{Lab}	56.77, -13.58, 50.70
CIE _{LCh}	57, 52.490, 104.993
Yxy	24.6919, 0.4035, 0.4848
Android (android.graphics.Color)	4287335720 (0xFF8B8D28)
YUV	128.8880, -43.8218, 8.8682
Hunter-Lab	49.6909, -13.1354, 27.9955

Details

The Yxy color **24.6919, 0.4035, 0.4848** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **3.9334, 0.1808, 0.1090**, and the grayscale version is **22.0585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9584, 0.3892, 0.4536**, and **9.4606, 0.4104, 0.5123** is the 20% darker color. If you saturate the color by 10%, you get **24.5894, 0.4099, 0.4963**, and if you desaturate by 10%, it is **24.8317, 0.3947, 0.4693**.

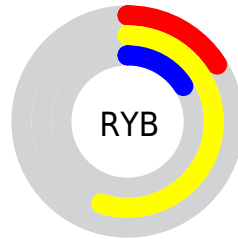
Distribution



Red (55%)

Green (55%)

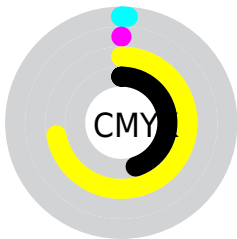
Blue (16%)



Red (16%)

Yellow (55%)

Blue (16%)

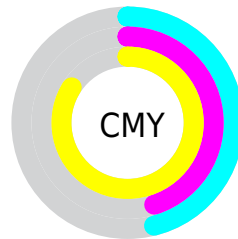


Cyan (1%)

Magenta (0%)

Yellow (72%)

Black (45%)



Cyan (46%)


Magenta (45%)


Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.6919, 0.4035, 0.4848 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 24.6919, 0.4035, 0.4848 by changing the saturation by 10% instead.


 24.6919, 0.4035,
0.4848


 24.6919, 0.4035,
0.4848


276.3001, 0.3592,
0.4008

 15.8477, 0.4118,
0.5056


 51.1570, 0.3888,
0.4538


 9.4164, 0.4193,
0.5306


 69.5466, 0.3828,
0.4421

 5.0138, 0.4304,
0.5696

 91.8867, 0.3775,
0.4324

 2.2553, 0.4124,
0.5876

 118.5619, 0.3728,
0.4241

 0.7499, 0.3371,
0.6629

 149.9564, 0.3688,
0.4170

 0.0000, 0.0000,
0.0000

 186.4547, 0.3652,

0.4108

228.4411, 0.3620,
0.4055

■ 24.6919, 0.4035,
0.4848

■ 24.6919, 0.4035,
0.4848

■ 24.5894, 0.4099,
0.4963

■ 24.8317, 0.3947,
0.4693

■ 24.5169, 0.4138,
0.5038

■ 25.0089, 0.3839,
0.4504

■ 24.4705, 0.4159,
0.5080

■ 25.2276, 0.3713,
0.4288

■ 25.4906, 0.3577,
0.4054

■ 25.8003, 0.3434,
0.3811

■ 26.1590, 0.3291,
0.3567

■ 26.5689, 0.3150,
0.3328

■ 27.0320, 0.3015,
0.3100

■ 27.5502, 0.2887,
0.2885

Harmonies

Analogous

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



24.6919, 0.4673, 0.4329



24.6919, 0.4035, 0.4848



24.6919, 0.3207, 0.4922

Triad

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



24.6919, 0.4035, 0.4848



24.6919, 0.1620, 0.2487



24.6919, 0.3751, 0.2517

Complementary

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



24.6919, 0.4035, 0.4848



3.9334, 0.1808, 0.1090

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.



24.6919, 0.2829, 0.2128



24.6919, 0.4035, 0.4848



24.6919, 0.1717, 0.2064

Square

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



24.6919, 0.4035, 0.4848



24.6919, 0.1841, 0.3287



24.6919, 0.2119, 0.1963



24.6919, 0.4567, 0.3066

Rectangle

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



24.6919, 0.4035, 0.4848



24.6919, 0.2653, 0.4571



24.6919, 0.2119, 0.1963



24.6919, 0.3435, 0.2366

Sweetspot

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



24.6930, 0.4035, 0.4848



46.2058, 0.3432, 0.3806



7.4499, 0.5431, 0.3320



10.2887, 0.3466, 0.3865



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.



24.6930, 0.4035, 0.4848



43.9398, 0.4126, 0.5014



21.3218, 0.3441, 0.5237



6.2799, 0.3256, 0.3508



22.3087, 0.4159, 0.5080



0.2144, 0.4177, 0.5065

Inverse Universe

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



3.9334, 0.1808, 0.1090



4.4295, 0.1596, 0.0746



5.7253, 0.2409, 0.1379



5.2599, 0.2993, 0.3063



1.7712, 0.1509, 0.0605



0.0178, 0.1553, 0.0629

Previews

White Background



This preview shows how the Yxy color 24.6919, 0.4035, 0.4848 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 24.6919, 0.4035, 0.4848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

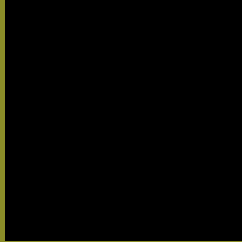
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6919, 0.4035, 0.4848

Background



This preview shows how black text looks on a background with the Yxy color 24.6919, 0.4035, 0.4848.



This preview shows how white text looks on a background with the Yxy color 24.6919, 0.4035, 0.4848.

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

24.6919, 0.4035, 0.4848

Protanopia

24.5271, 0.4264, 0.4689

Deuteranopia

24.4360, 0.4509, 0.4425



Tritanopia

24.7514, 0.3203, 0.3128

Trichromacy



Original Color

24.6919, 0.4035, 0.4848

Protanomaly

24.6193, 0.4182, 0.4751

Deuteranomaly

24.3204, 0.4346, 0.4571

Tritanomaly

24.3676, 0.3570, 0.3800

Monochromacy



Original Color

24.6919, 0.4035, 0.4848

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.6247, 0.3519, 0.3938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6919, 0.4035, 0.4848 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(139, 141, 40)` looks like.

```
.text, #text, p{  
    color:rgb(139, 141, 40)  
}
```

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(139, 141, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 141, 40) }
```

Border

The CSS property to change the border of an element to Yxy 24.6919, 0.4035, 0.4848 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(139, 141, 40) }
```

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

```
.border{ border-color:rgb(139, 141, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 141, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 141, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 141, 40);  
box-shadow:4px 4px 4px 4px rgb(139, 141,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6919, 0.4035, 0.4848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 141, 40) }
```

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

```
.background{ background-color: rgb(139,  
141, 40) }
```

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