

Converting Colors

$Y_{xy}(24.6343, 0.4024, 0.4144)$

Have a look what the booklet for
Yxy(24.6343, 0.4024, 0.4144)
contains.

Yxy(24.6087, 0.4024, 0.4143)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.6087, 0.4024, 0.4143)

Conversions

Conversions Part 1

Format	Color
Hex	9E854F
RGB	158, 133, 79
RGB Percent	62%, 52%, 31%
CMY	0.3803, 0.4784, 0.6902
CMYK	0.00, 0.16, 0.50, 0.38
HSL	41°, 33%, 46%
HSV	41°, 50%, 62%
XYZ	23.9019, 24.6087, 10.8877
YIQ	134.3190, 32.2340, -11.4940

Conversions

Conversions Part 2

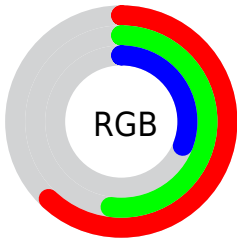
Format	Color
RYB	116, 158, 79
Decimal	10388815
CIELab	56.69, 2.27, 32.50
CIELCh	57, 32.580, 86.005
Yxy	24.6087, 0.4024, 0.4143
Android (android.graphics.Color)	4288578895 (0xFF9E854F)
YUV	134.3190, -27.2723, 20.7682
Hunter-Lab	49.6072, -0.8071, 21.7121

Details

The Yxy color $24.6087, 0.4024, 0.4143$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $14.0366, 0.2289, 0.2239$, and the grayscale version is $24.0584, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.9989, 0.3840, 0.3976$, and $9.3880, 0.4306, 0.4423$ is the 20% darker color. If you saturate the color by 10%, you get $23.0689, 0.4225, 0.4289$, and if you desaturate by 10%, it is $26.2708, 0.3823, 0.3978$.

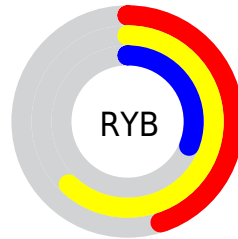
Distribution



Red (62%)

Green (52%)

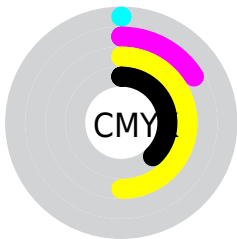
Blue (31%)



Red (45%)

Yellow (62%)

Blue (31%)

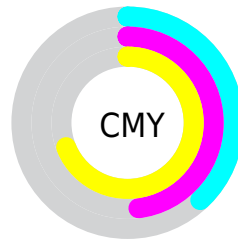


Cyan (0%)

Magenta (16%)

Yellow (50%)

Black (38%)



Cyan (38%)

Magenta (48%)

Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6087, 0.4024, 0.4143 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 24.6087, 0.4024, 0.4143 by changing the saturation by 10% instead.


 24.6087, 0.4024,
0.4143


 24.6087, 0.4024,
0.4143


275.8836, 0.3539,
0.3687


 15.7858, 0.4153,
0.4261


 51.0217, 0.3841,
0.3973

 9.3727, 0.4318,
0.4410


 69.3806, 0.3774,
0.3910


 4.9851, 0.4532,
0.4596

 91.6869, 0.3718,
0.3857

 2.2385, 0.4993,
0.5007

 118.3250, 0.3671,
0.3813

 0.7409, 0.5062,
0.4938

 149.6793, 0.3630,
0.3774

 0.0000, 0.0000,
0.0000

186.1343, 0.3596,

0.3741

228.0742, 0.3565,
0.3712

■ 24.6087, 0.4024,
0.4143

■ 24.6087, 0.4024,
0.4143

■ 23.0689, 0.4225,
0.4289

■ 26.2708, 0.3823,
0.3978

■ 21.6430, 0.4420,
0.4407

■ 28.0562, 0.3630,
0.3804

■ 20.3269, 0.4597,
0.4485

■ 29.9701, 0.3448,
0.3628

■ 19.1144, 0.4749,
0.4516

■ 32.0163, 0.3280,
0.3455

■ 17.9922, 0.4878,
0.4509

■ 34.1986, 0.3127,
0.3290

■ 36.5204, 0.2989,
0.3135

■ 38.9849, 0.2865,
0.2990

■ 41.5954, 0.2755,
0.2856

■ 44.3550, 0.2656,
0.2733

Harmonies

Analogous

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



24.6087, 0.4247, 0.3771



24.6087, 0.4024, 0.4143



24.6087, 0.3567, 0.4317

Triad

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



24.6087, 0.4024, 0.4143



24.6087, 0.2204, 0.3112



24.6087, 0.3161, 0.2595

Complementary

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



24.6087, 0.4024, 0.4143



14.0366, 0.2289, 0.2239

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.



24.6087, 0.2630, 0.2421



24.6087, 0.4024, 0.4143



24.6087, 0.2118, 0.2667

Square

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



24.6087, 0.4024, 0.4143



24.6087, 0.2520, 0.3683



24.6087, 0.2266, 0.2436



24.6087, 0.3729, 0.2918

Rectangle

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



24.6087, 0.4024, 0.4143



24.6087, 0.3201, 0.4252



24.6087, 0.2266, 0.2436



24.6087, 0.2971, 0.2518

Sweetspot

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



24.6099, 0.4024, 0.4143



56.1326, 0.3367, 0.3546



13.8632, 0.4040, 0.2887



12.4901, 0.3401, 0.3580



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



24.6099, 0.4024, 0.4143



41.5702, 0.4249, 0.4305



30.9110, 0.3685, 0.4545



7.3658, 0.3268, 0.3442



14.4796, 0.4871, 0.4515



0.3311, 0.4546, 0.4772

Inverse Universe

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



14.0366, 0.2289, 0.2239



20.1897, 0.2098, 0.1953



10.4144, 0.2350, 0.1808



6.7610, 0.2988, 0.3133



3.8704, 0.1631, 0.1072



0.1405, 0.1844, 0.1838

Previews

White Background



This preview shows how the Yxy color 24.6087, 0.4024, 0.4143 looks on a white background.

Color Contrast Check

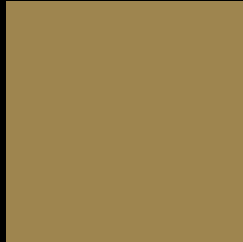
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6087, 0.4024, 0.4143 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 24.6087, 0.4024, 0.4143

Background



This preview shows how black text looks on a background with the Yxy color 24.6087, 0.4024, 0.4143.



This preview shows how white text looks on a background with the Yxy color 24.6087, 0.4024, 0.4143.

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

24.6087, 0.4024, 0.4143

Protanopia

24.5771, 0.3880, 0.4211

Deuteranopia

24.6514, 0.4136, 0.4053



Tritanopia

24.4858, 0.3459, 0.3136

Trichromacy



Original Color

24.6087, 0.4024, 0.4143

Protanomaly

24.5825, 0.3924, 0.4183

Deuteranomaly

24.5983, 0.4091, 0.4079

Tritanomaly

24.5154, 0.3676, 0.3514

Monochromacy



Original Color

24.6087, 0.4024, 0.4143

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.1047, 0.3449, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6087, 0.4024, 0.4143 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(158, 133, 79)` looks like.

```
.text, #text, p{  
    color:rgb(158, 133, 79)  
}
```

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(158, 133, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 133, 79) }
```

Border

The CSS property to change the border of an element to Yxy 24.6087, 0.4024, 0.4143 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(158, 133, 79) }
```

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

```
.border{ border-color:rgb(158, 133, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 133, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 133, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 133, 79);  
box-shadow:4px 4px 4px 4px rgb(158, 133,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6087, 0.4024, 0.4143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 133, 79) }
```

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

```
.background{ background-color: rgb(158,  
133, 79) }
```

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