

Converting Colors

$Y_{xy}(24.0294, 0.3985, 0.4195)$

Have a look what the booklet for
Yxy(24.0294, 0.3985, 0.4195)
contains.

Yxy(24.0832, 0.3982, 0.4195)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.0832, 0.3982, 0.4195)

Conversions

Conversions Part 1

Format	Color
Hex	99854D
RGB	153, 133, 77
RGB Percent	60%, 52%, 30%
CMY	0.4001, 0.4784, 0.6980
CMYK	0.00, 0.13, 0.50, 0.40
HSL	44°, 33%, 45%
HSV	44°, 50%, 60%
XYZ	22.8604, 24.0832, 10.4657
YIQ	132.5960, 29.8960, -13.1760

Conversions

Conversions Part 2

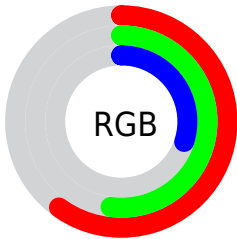
Format	Color
RYB	104, 153, 77
Decimal	10061133
CIELab	56.17, -0.14, 32.82
CIELCh	56, 32.818, 90.237
Yxy	24.0832, 0.3982, 0.4195
Android (android.graphics.Color)	4288251213 (0xFF99854D)
YUV	132.5960, -27.4088, 17.8943
Hunter-Lab	49.0746, -2.7302, 21.7080

Details

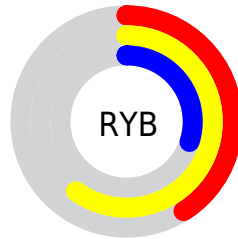
The Yxy color **24.0832, 0.3982, 0.4195** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.4202, 0.2281, 0.2166**, and the grayscale version is **23.3941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2054, 0.3810, 0.4012**, and **9.1437, 0.4258, 0.4495** is the 20% darker color. If you saturate the color by 10%, you get **22.8133, 0.4167, 0.4352**, and if you desaturate by 10%, it is **25.4483, 0.3795, 0.4019**.

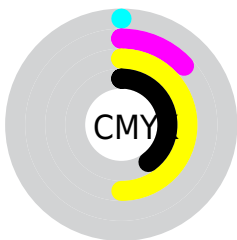
Distribution



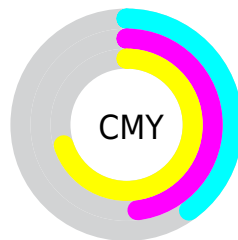
- Red (60%)
- Green (52%)
- Blue (30%)



- Red (41%)
- Yellow (60%)
- Blue (30%)



- Cyan (0%)
- Magenta (13%)
- Yellow (50%)
- Black (40%)





- Cyan (40%)
- Magenta (48%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0832, 0.3982, 0.4195 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 24.0832, 0.3982, 0.4195 by changing the saturation by 10% instead.


 24.0832, 0.3982,
0.4195


 24.0832, 0.3982,
0.4195


273.2408, 0.3520,
0.3706


 15.3954, 0.4104,
0.4324


 50.1659, 0.3808,
0.4010

 9.0973, 0.4259,
0.4489


 68.3296, 0.3744,
0.3943


 4.8047, 0.4458,
0.4701

 90.4207, 0.3691,
0.3887

 2.1331, 0.4866,
0.5134

 116.8236, 0.3646,
0.3839

 0.6832, 0.4860,
0.5140

 147.9226, 0.3608,
0.3798

 0.0000, 0.0000,
0.0000

184.1022, 0.3574,

0.3763

225.7469, 0.3546,
0.3733

■ 24.0832, 0.3982,
0.4195

■ 24.0832, 0.3982,
0.4195

■ 22.8133, 0.4167,
0.4352

■ 25.4483, 0.3795,
0.4019

■ 21.6311, 0.4341,
0.4479

■ 26.9090, 0.3611,
0.3834

■ 20.5332, 0.4497,
0.4568

■ 28.4698, 0.3437,
0.3646

■ 19.5143, 0.4627,
0.4612

■ 30.1339, 0.3273,
0.3461

■ 18.5626, 0.4735,
0.4619

■ 31.9044, 0.3122,
0.3284

■ 18.5310, 0.4739,
0.4619

■ 33.7841, 0.2985,
0.3117

■ 35.7757, 0.2861,
0.2961

■ 37.8820, 0.2749,
0.2817

■ 40.1053, 0.2649,
0.2684

Harmonies

Analogous

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



24.0832, 0.4249, 0.3836



24.0832, 0.3982, 0.4195



24.0832, 0.3496, 0.4333

Triad

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



24.0832, 0.3982, 0.4195



24.0832, 0.2165, 0.3034



24.0832, 0.3244, 0.2624

Complementary

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



24.0832, 0.3982, 0.4195



12.4202, 0.2281, 0.2166

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.



24.0832, 0.2691, 0.2424



24.0832, 0.3982, 0.4195



24.0832, 0.2112, 0.2611

Square

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



24.0832, 0.3982, 0.4195



24.0832, 0.2454, 0.3607



24.0832, 0.2294, 0.2410



24.0832, 0.3811, 0.2968

Rectangle

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



24.0832, 0.3982, 0.4195



24.0832, 0.3121, 0.4232



24.0832, 0.2294, 0.2410



24.0832, 0.3049, 0.2539

Sweetspot

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



24.0843, 0.3982, 0.4195



52.2837, 0.3364, 0.3564



12.9464, 0.4097, 0.2954



11.4193, 0.3396, 0.3600



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.



24.0843, 0.3982, 0.4195



40.5383, 0.4194, 0.4373



28.4811, 0.3638, 0.4553



6.9481, 0.3266, 0.3453



15.3775, 0.4734, 0.4623



0.2877, 0.4453, 0.4847

Inverse Universe

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



12.4202, 0.2281, 0.2166



17.1558, 0.2077, 0.1851



10.0262, 0.2403, 0.1840



6.2772, 0.2988, 0.3121



3.2147, 0.1597, 0.0949



0.1011, 0.1806, 0.1700

Previews

White Background



This preview shows how the Yxy color 24.0832, 0.3982, 0.4195 looks on a white background.

Color Contrast Check

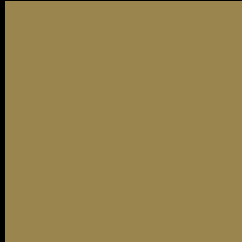
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0832, 0.3982, 0.4195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

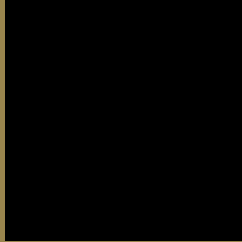
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0832, 0.3982, 0.4195

Background



This preview shows how black text looks on a background with the Yxy color 24.0832, 0.3982, 0.4195.



This preview shows how white text looks on a background with the Yxy color 24.0832, 0.3982, 0.4195.

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

24.0832, 0.3982, 0.4195

Protanopia

24.1739, 0.3895, 0.4232

Deuteranopia

24.1431, 0.4141, 0.4075



Tritanopia

24.0702, 0.3410, 0.3133

Trichromacy



Original Color

24.0832, 0.3982, 0.4195

Protanomaly

24.0843, 0.3927, 0.4208

Deuteranomaly

23.9889, 0.4083, 0.4106

Tritanomaly

24.1064, 0.3627, 0.3518

Monochromacy



Original Color

24.0832, 0.3982, 0.4195

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.5428, 0.3427, 0.3637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0832, 0.3982, 0.4195 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(153, 133, 77)` looks like.

```
.text, #text, p{  
    color:rgb(153, 133, 77)  
}
```

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(153, 133, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 133, 77) }
```

Border

The CSS property to change the border of an element to Yxy 24.0832, 0.3982, 0.4195 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(153, 133, 77) }
```

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

```
.border{ border-color:rgb(153, 133, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 133, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 133, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 133, 77);  
box-shadow:4px 4px 4px 4px rgb(153, 133,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0832, 0.3982, 0.4195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 133, 77) }
```

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

```
.background{ background-color: rgb(153,  
133, 77) }
```

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](#).

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