

Converting Colors

$Y_{xy}(24.7170, 0.4083, 0.4195)$

Have a look what the booklet for
Yxy(24.7170, 0.4083, 0.4195)
contains.

Yxy(24.6540, 0.4077, 0.4196)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.6540, 0.4077, 0.4196)

Conversions

Conversions Part 1

Format	Color
Hex	9F854B
RGB	159, 133, 75
RGB Percent	62%, 52%, 29%
CMY	0.3765, 0.4784, 0.7060
CMYK	0.00, 0.16, 0.53, 0.38
HSL	41°, 36%, 46%
HSV	41°, 53%, 62%
XYZ	23.9548, 24.6540, 10.1472
YIQ	134.1620, 34.1140, -12.5260

Conversions

Conversions Part 2

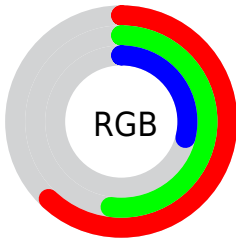
Format	Color
RYB	113, 159, 75
Decimal	10454347
CIELab	56.74, 2.31, 34.73
CIELCh	57, 34.809, 86.194
Yxy	24.6540, 0.4077, 0.4196
Android (android.graphics.Color)	4288644427 (0xFF9F854B)
YUV	134.1620, -29.1669, 21.7829
Hunter-Lab	49.6528, -0.7757, 22.6403

Details

The Yxy color **24.6540, 0.4077, 0.4196** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.2984, 0.2236, 0.2154**, and the grayscale version is **24.0025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0456, 0.3881, 0.4020**, and **9.4277, 0.4370, 0.4475** is the 20% darker color. If you saturate the color by 10%, you get **23.1485, 0.4275, 0.4336**, and if you desaturate by 10%, it is **26.2793, 0.3877, 0.4034**.

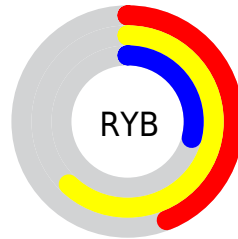
Distribution



Red (62%)

Green (52%)

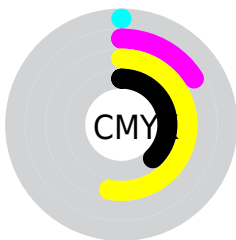
Blue (29%)



Red (44%)

Yellow (62%)

Blue (29%)

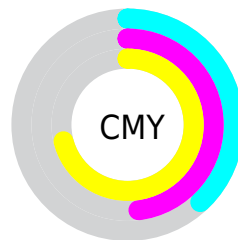


Cyan (0%)

Magenta (16%)

Yellow (53%)

Black (38%)



Cyan (38%)


Magenta (48%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6540, 0.4077, 0.4196 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 24.6540, 0.4077, 0.4196 by changing the saturation by 10% instead.


 24.6540, 0.4077,
0.4196


 24.6540, 0.4077,
0.4196


276.1104, 0.3565,
0.3714

 15.8195, 0.4210,
0.4318

 51.0954, 0.3885,
0.4017

 9.3965, 0.4380,
0.4471


 69.4710, 0.3814,
0.3951


 5.0007, 0.4599,
0.4661


 91.7957, 0.3755,
0.3895

 2.2477, 0.4995,
0.5005

 118.4540, 0.3705,
0.3848

 0.7458, 0.5064,
0.4936

 149.8302, 0.3663,
0.3807

 0.0000, 0.0000,
0.0000

186.3088, 0.3626,

0.3772

228.2740, 0.3594,
0.3741

■ 24.6540, 0.4077,
0.4196

■ 24.6540, 0.4077,
0.4196

■ 23.1485, 0.4275,
0.4336

■ 26.2793, 0.3877,
0.4034

■ 21.7544, 0.4462,
0.4445

■ 28.0255, 0.3682,
0.3860

■ 20.4671, 0.4630,
0.4511

■ 29.8979, 0.3498,
0.3682

■ 19.2803, 0.4770,
0.4530

■ 31.9004, 0.3326,
0.3506

■ 18.4827, 0.4859,
0.4524

■ 34.0368, 0.3169,
0.3337

■ 36.3106, 0.3027,
0.3176

■ 38.7251, 0.2899,
0.3027

■ 41.2835, 0.2784,
0.2888

■ 43.9890, 0.2682,
0.2761

Harmonies

Analogous

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



24.6540, 0.4320, 0.3797



24.6540, 0.4077, 0.4196



24.6540, 0.3588, 0.4389

Triad

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



24.6540, 0.4077, 0.4196



24.6540, 0.2145, 0.3092



24.6540, 0.3165, 0.2555

Complementary

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



24.6540, 0.4077, 0.4196



13.2984, 0.2236, 0.2154

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.



24.6540, 0.2601, 0.2370



24.6540, 0.4077, 0.4196



24.6540, 0.2058, 0.2622

Square

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



24.6540, 0.4077, 0.4196



24.6540, 0.2477, 0.3706



24.6540, 0.2215, 0.2383



24.6540, 0.3773, 0.2896

Rectangle

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



24.6540, 0.4077, 0.4196



24.6540, 0.3197, 0.4322



24.6540, 0.2215, 0.2383



24.6540, 0.2963, 0.2474

Sweetspot

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



24.6552, 0.4077, 0.4196



55.8647, 0.3384, 0.3566



13.3501, 0.4121, 0.2867



12.4383, 0.3417, 0.3600



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.



24.6552, 0.4077, 0.4196



41.1085, 0.4301, 0.4353



31.1967, 0.3710, 0.4612



7.3738, 0.3268, 0.3444



14.6746, 0.4852, 0.4529



0.3336, 0.4537, 0.4780

Inverse Universe

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



13.2984, 0.2236, 0.2154



18.6845, 0.2044, 0.1859



9.7239, 0.2296, 0.1714



6.7534, 0.2988, 0.3131



3.7915, 0.1626, 0.1054



0.1381, 0.1838, 0.1816

Previews

White Background



This preview shows how the Yxy color 24.6540, 0.4077, 0.4196 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 24.6540, 0.4077, 0.4196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

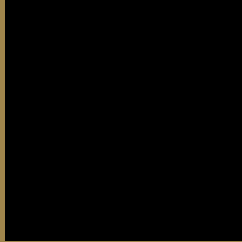
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6540, 0.4077, 0.4196

Background



This preview shows how black text looks on a background with the Yxy color 24.6540, 0.4077, 0.4196.



This preview shows how white text looks on a background with the Yxy color 24.6540, 0.4077, 0.4196.

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

24.6540, 0.4077, 0.4196

Protanopia

24.6142, 0.3932, 0.4266

Deuteranopia

24.5941, 0.4178, 0.4108



Tritanopia

24.5918, 0.3471, 0.3136

Trichromacy



Original Color

24.6540, 0.4077, 0.4196

Protanomaly

24.6221, 0.3977, 0.4238

Deuteranomaly

24.5409, 0.4132, 0.4135

Tritanomaly

24.5968, 0.3700, 0.3529

Monochromacy



Original Color

24.6540, 0.4077, 0.4196

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.0821, 0.3460, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6540, 0.4077, 0.4196 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(159, 133, 75)` looks like.

```
.text, #text, p{  
    color:rgb(159, 133, 75)  
}
```

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(159, 133, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 133, 75) }
```

Border

The CSS property to change the border of an element to Yxy 24.6540, 0.4077, 0.4196 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(159, 133, 75) }
```

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

```
.border{ border-color:rgb(159, 133, 75) }
```

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

Here you see how a box with a 4 pixel rgb(159, 133, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 133, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 133, 75);  
box-shadow:4px 4px 4px 4px rgb(159, 133,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6540, 0.4077, 0.4196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 133, 75) }
```

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

```
.background{ background-color: rgb(159,  
133, 75) }
```

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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