

Converting Colors

$Y_{xy}(24.6221, 0.3977, 0.4238)$

Have a look what the booklet for
Yxy(24.6221, 0.3977, 0.4238)
contains.

Yxy(24.6221, 0.3977, 0.4238)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.6221, 0.3977, 0.4238)

Conversions

Conversions Part 1

Format	Color
Hex	99874C
RGB	153, 135, 76
RGB Percent	60%, 53%, 30%
CMY	0.4000, 0.4706, 0.7020
CMYK	0.00, 0.12, 0.50, 0.40
HSL	46°, 34%, 45%
HSV	46°, 50%, 60%
XYZ	23.1057, 24.6221, 10.3706
YIQ	133.6560, 29.6670, -14.5330

Conversions

Conversions Part 2

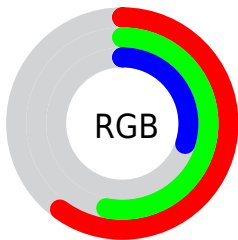
Format	Color
RYB	99, 153, 76
Decimal	10061644
CIELab	56.71, -1.33, 34.02
CIELCh	57, 34.044, 92.240
Yxy	24.6221, 0.3977, 0.4238
Android (android.graphics.Color)	4288251724 (0xFF99874C)
YUV	133.6560, -28.4244, 16.9647
Hunter-Lab	49.6207, -3.7181, 22.3430

Details

The Yxy color $24.6221, 0.3977, 0.4238$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $11.8405, 0.2260, 0.2102$, and the grayscale version is $23.8059, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.0281, 0.3809, 0.4046$, and $9.4536, 0.4237, 0.4549$ is the 20% darker color. If you saturate the color by 10%, you get $23.4538, 0.4152, 0.4398$, and if you desaturate by 10%, it is $25.8768, 0.3797, 0.4058$.

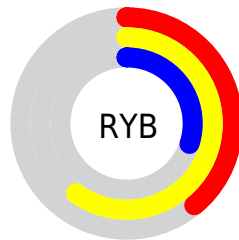
Distribution



Red (60%)

Green (53%)

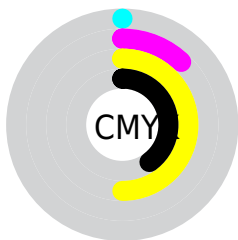
Blue (30%)



Red (39%)

Yellow (60%)

Blue (30%)

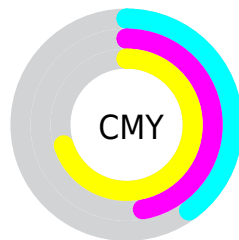


Cyan (0%)

Magenta (12%)

Yellow (50%)

Black (40%)



Cyan (40%)

Magenta (47%)


Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.6221, 0.3977, 0.4238 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 24.6221, 0.3977, 0.4238 by changing the saturation by 10% instead.


 24.6221, 0.3977,
0.4238


 24.6221, 0.3977,
0.4238


275.9507, 0.3521,
0.3726


 15.7957, 0.4095,
0.4373


 51.0435, 0.3807,
0.4045

 9.3797, 0.4244,
0.4544


 69.4073, 0.3744,
0.3974


 4.9897, 0.4432,
0.4765

 91.7191, 0.3691,
0.3916

 2.2412, 0.4802,
0.5198

 118.3631, 0.3647,
0.3866

 0.7423, 0.4755,
0.5245

 149.7240, 0.3608,
0.3823

 0.0000, 0.0000,
0.0000

186.1859, 0.3575,

0.3786

228.1333, 0.3547,
0.3754

■ 24.6221, 0.3977,
0.4238

■ 24.6221, 0.3977,
0.4238

■ 23.4538, 0.4152,
0.4398

■ 25.8768, 0.3797,
0.4058

■ 22.3646, 0.4316,
0.4527

■ 27.2182, 0.3618,
0.3867

■ 21.3510, 0.4459,
0.4618

■ 28.6506, 0.3445,
0.3672

■ 20.4080, 0.4576,
0.4664

■ 30.1771, 0.3283,
0.3480

■ 19.5514, 0.4669,
0.4675

■ 31.8008, 0.3132,
0.3296

■ 33.5243, 0.2994,
0.3121

■ 35.3503, 0.2868,
0.2958

■ 37.2813, 0.2755,
0.2807

■ 39.3196, 0.2653,
0.2668

Harmonies

Analogous

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



24.6221, 0.4273, 0.3877



24.6221, 0.3977, 0.4238



24.6221, 0.3467, 0.4362

Triad

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



24.6221, 0.3977, 0.4238



24.6221, 0.2127, 0.2989



24.6221, 0.3287, 0.2626

Complementary

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



24.6221, 0.3977, 0.4238



11.8405, 0.2260, 0.2102

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.



24.6221, 0.2712, 0.2410



24.6221, 0.3977, 0.4238



24.6221, 0.2090, 0.2570

Square

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



24.6221, 0.3977, 0.4238



24.6221, 0.2407, 0.3575



24.6221, 0.2292, 0.2381



24.6221, 0.3866, 0.2986

Rectangle

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



24.6221, 0.3977, 0.4238



24.6221, 0.3080, 0.4243



24.6221, 0.2292, 0.2381



24.6221, 0.3085, 0.2535

Sweetspot

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



24.6233, 0.3977, 0.4238



52.6624, 0.3362, 0.3575



12.7713, 0.4141, 0.2971



11.5128, 0.3394, 0.3612



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.



24.6233, 0.3977, 0.4238



41.8289, 0.4167, 0.4410



28.3534, 0.3629, 0.4576



6.9780, 0.3265, 0.3460



16.2103, 0.4665, 0.4678



0.2958, 0.4421, 0.4872

Inverse Universe

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



11.8405, 0.2260, 0.2102



16.4158, 0.2064, 0.1795



9.9140, 0.2406, 0.1824



6.2491, 0.2988, 0.3115



2.9765, 0.1581, 0.0889



0.0931, 0.1778, 0.1602

Previews

White Background



This preview shows how the Yxy color 24.6221, 0.3977, 0.4238 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 24.6221, 0.3977, 0.4238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

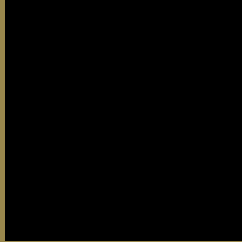
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6221, 0.3977, 0.4238

Background



This preview shows how black text looks on a background with the Yxy color 24.6221, 0.3977, 0.4238.



This preview shows how white text looks on a background with the Yxy color 24.6221, 0.3977, 0.4238.

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

24.6221, 0.3977, 0.4238

Protanopia

24.6142, 0.3932, 0.4266

Deuteranopia

24.6081, 0.4167, 0.4094



Tritanopia

24.6442, 0.3383, 0.3133

Trichromacy



Original Color

24.6221, 0.3977, 0.4238

Protanomaly

24.7094, 0.3945, 0.4262

Deuteranomaly

24.6154, 0.4089, 0.4144

Tritanomaly

24.6385, 0.3619, 0.3550

Monochromacy



Original Color

24.6221, 0.3977, 0.4238

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.9052, 0.3436, 0.3653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6221, 0.3977, 0.4238 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, 135, 76)` looks like.

```
.text, #text, p{  
    color:rgb(153, 135, 76)  
}
```

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, 135, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 135, 76) }
```

Border

The CSS property to change the border of an element to Yxy 24.6221, 0.3977, 0.4238 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, 135, 76) }
```

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

```
.border{ border-color:rgb(153, 135, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 135, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 135, 76); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 135, 76); box-shadow:4px 4px 4px 4px rgb(153, 135, 76) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6221, 0.3977, 0.4238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 135, 76) }
```

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

```
.background{ background-color: rgb(153,  
135, 76) }
```

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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