

Converting Colors

$Y_{xy}(27.2360, 0.3871, 0.4297)$

Have a look what the booklet for
Yxy(27.2360, 0.3871, 0.4297)
contains.

Yxy(27.2980, 0.3872, 0.4304)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.2980, 0.3872, 0.4304)

Conversions

Conversions Part 1

Format	Color
Hex	999050
RGB	153, 144, 80
RGB Percent	60%, 56%, 31%
CMY	0.4000, 0.4353, 0.6862
CMYK	0.00, 0.06, 0.48, 0.40
HSL	53°, 31%, 46%
HSV	53°, 48%, 60%
XYZ	24.5581, 27.2980, 11.5687
YIQ	139.3950, 25.9080, -17.9960

Conversions

Conversions Part 2

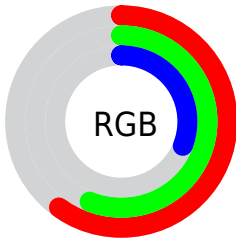
Format	Color
RYB	90, 153, 80
Decimal	10063952
CIELab	59.25, -5.89, 35.01
CIELCh	59, 35.505, 99.548
Yxy	27.2980, 0.3872, 0.4304
Android (android.graphics.Color)	4288254032 (0xFF999050)
YUV	139.3950, -29.2817, 11.9316
Hunter-Lab	52.2475, -7.5322, 23.4452

Details

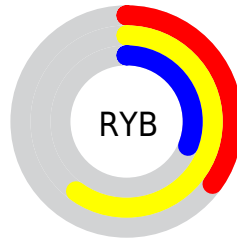
The Yxy color $27.2980, 0.3872, 0.4304$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $11.1536, 0.2280, 0.2013$, and the grayscale version is $26.0879, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.5822, 0.3728, 0.4096$, and $10.8190, 0.4087, 0.4645$ is the 20% darker color. If you saturate the color by 10%, you get $26.5319, 0.4020, 0.4487$, and if you desaturate by 10%, it is $28.1277, 0.3714, 0.4100$.

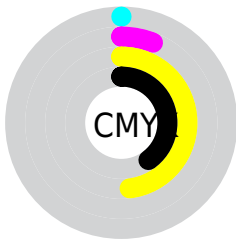
Distribution



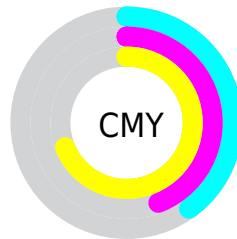
- Red (60%)
- Green (56%)
- Blue (31%)



- Red (35%)
- Yellow (60%)
- Blue (31%)



- Cyan (0%)
- Magenta (6%)
- Yellow (48%)
- Black (40%)





- Cyan (40%)
- Magenta (44%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2980, 0.3872, 0.4304 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 27.2980, 0.3872, 0.4304 by changing the saturation by 10% instead.


 27.2980, 0.3872,
0.4304


 27.2980, 0.3872,
0.4304


289.0971, 0.3483,
0.3757


 17.7972, 0.3968,
0.4449


 55.3617, 0.3729,
0.4098

 10.8045, 0.4087,
0.4636


 74.6933, 0.3676,
0.4022


 5.9355, 0.4230,
0.4880

 98.0707, 0.3631,
0.3959

 2.8059, 0.4578,
0.5422

 125.8782, 0.3592,
0.3906

 1.0313, 0.4458,
0.5542

 158.5001, 0.3559,
0.3861

 0.0000, 0.0000,
0.0000

196.3210, 0.3530,

0.3821

239.7252, 0.3505,
0.3787

■ 27.2980, 0.3872,
0.4304

■ 27.2980, 0.3872,
0.4304

■ 26.5319, 0.4020,
0.4487

■ 28.1277, 0.3714,
0.4100

■ 25.8220, 0.4153,
0.4640

■ 29.0203, 0.3553,
0.3885

■ 25.1655, 0.4264,
0.4755

■ 29.9803, 0.3394,
0.3667

■ 24.5578, 0.4349,
0.4828

■ 31.0104, 0.3240,
0.3451

■ 23.9905, 0.4411,
0.4863

■ 32.1131, 0.3094,
0.3243

■ 23.8622, 0.4424,
0.4869

■ 33.2909, 0.2959,
0.3046

■ 34.5462, 0.2834,
0.2862

■ 35.8812, 0.2720,
0.2692

■ 37.2980, 0.2617,
0.2536

Harmonies

Analogous

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



27.2980, 0.4236, 0.3982



27.2980, 0.3872, 0.4304



27.2980, 0.3327, 0.4348

Triad

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



27.2980, 0.3872, 0.4304



27.2980, 0.2089, 0.2863



27.2980, 0.3438, 0.2698

Complementary

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



27.2980, 0.3872, 0.4304



11.1536, 0.2280, 0.2013

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.



27.2980, 0.2839, 0.2441



27.2980, 0.3872, 0.4304



27.2980, 0.2111, 0.2497

Square

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



27.2980, 0.3872, 0.4304



27.2980, 0.2312, 0.3426



27.2980, 0.2370, 0.2362



27.2980, 0.3990, 0.3087

Rectangle

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



27.2980, 0.3872, 0.4304



27.2980, 0.2940, 0.4164



27.2980, 0.2370, 0.2362



27.2980, 0.3233, 0.2595

Sweetspot

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



27.2993, 0.3872, 0.4304



54.3116, 0.3340, 0.3592



13.2468, 0.4216, 0.3130



11.9130, 0.3371, 0.3635



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.



27.2993, 0.3872, 0.4304



47.4623, 0.4026, 0.4494



27.8141, 0.3514, 0.4550



7.0930, 0.3263, 0.3483



19.7559, 0.4422, 0.4871



0.3272, 0.4308, 0.4962

Inverse Universe

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



11.1536, 0.2280, 0.2013



15.0927, 0.2076, 0.1684



11.1530, 0.2557, 0.1946



6.1429, 0.2988, 0.3089



2.3104, 0.1532, 0.0714



0.0625, 0.1661, 0.1179

Previews

White Background



This preview shows how the Yxy color 27.2980, 0.3872, 0.4304 looks on a white background.

Color Contrast Check

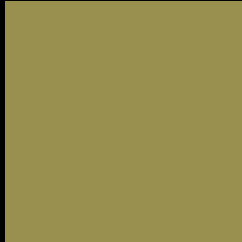
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2980, 0.3872, 0.4304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

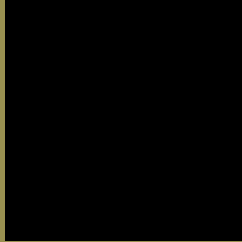
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2980, 0.3872, 0.4304

Background



This preview shows how black text looks on a background with the Yxy color 27.2980, 0.3872, 0.4304.



This preview shows how white text looks on a background with the Yxy color 27.2980, 0.3872, 0.4304.

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

27.2980, 0.3872, 0.4304

Protanopia

27.3922, 0.3926, 0.4272

Deuteranopia

27.2162, 0.4161, 0.4076



Tritanopia

27.1885, 0.3280, 0.3121

Trichromacy



Original Color

27.2980, 0.3872, 0.4304

Protanomaly

27.2920, 0.3915, 0.4277

Deuteranomaly

27.1663, 0.4053, 0.4164

Tritanomaly

27.0634, 0.3500, 0.3546

Monochromacy



Original Color

27.2980, 0.3872, 0.4304

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.2871, 0.3397, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2980, 0.3872, 0.4304 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, 144, 80)` looks like.

```
.text, #text, p{  
    color:rgb(153, 144, 80)  
}
```

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, 144, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 144, 80) }
```

Border

The CSS property to change the border of an element to Yxy 27.2980, 0.3872, 0.4304 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, 144, 80) }
```

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

```
.border{ border-color:rgb(153, 144, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 144, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 144, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 144, 80);  
box-shadow:4px 4px 4px 4px rgb(153, 144,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2980, 0.3872, 0.4304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 144, 80) }
```

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

```
.background{ background-color: rgb(153,  
144, 80) }
```

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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