

Converting Colors

$Y_{xy}(27.7240, 0.3802, 0.4137)$

Have a look what the booklet for
Yxy(27.7240, 0.3802, 0.4137)
contains.

Yxy(27.7698, 0.3802, 0.4129)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.7698, 0.3802, 0.4129)

Conversions

Conversions Part 1

Format	Color
Hex	9C905B
RGB	156, 144, 91
RGB Percent	61%, 56%, 36%
CMY	0.3883, 0.4353, 0.6430
CMYK	0.00, 0.08, 0.42, 0.39
HSL	49°, 26%, 48%
HSV	49°, 42%, 61%
XYZ	25.5705, 27.7698, 13.9152
YIQ	141.5460, 24.1650, -13.9390

Conversions

Conversions Part 2

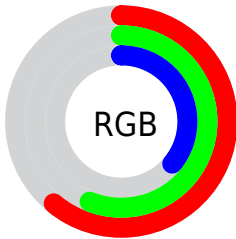
Format	Color
R_{YB}	106, 156, 91
Decimal	10260571
CIE _{Lab}	59.68, -3.43, 29.74
CIE _{LCh}	60, 29.939, 96.578
Yxy	27.7698, 0.3802, 0.4129
Android (android.graphics.Color)	4288450651 (0xFF9C905B)
YUV	141.5460, -24.9192, 12.6762
Hunter-Lab	52.6971, -5.6051, 21.2318

Details

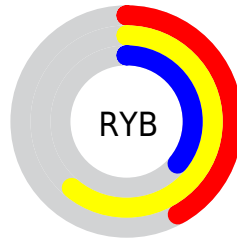
The Yxy color $27.7698, 0.3802, 0.4129$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $14.3260, 0.2411, 0.2277$, and the grayscale version is $26.9554, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.3382, 0.3671, 0.3960$, and $11.0708, 0.4002, 0.4409$ is the 20% darker color. If you saturate the color by 10%, you get $26.6690, 0.3971, 0.4316$, and if you desaturate by 10%, it is $28.9514, 0.3631, 0.3929$.

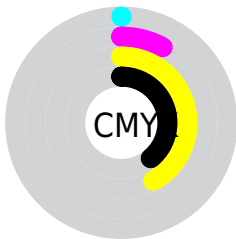
Distribution



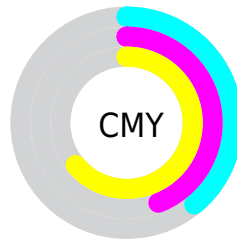
- Red (61%)
- Green (56%)
- Blue (36%)



- Red (42%)
- Yellow (61%)
- Blue (36%)



- Cyan (0%)
- Magenta (8%)
- Yellow (42%)
- Black (39%)





- Cyan (39%)
- Magenta (44%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7698, 0.3802, 0.4129 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 27.7698, 0.3802, 0.4129 by changing the saturation by 10% instead.


 27.7698, 0.3802,
0.4129


 27.7698, 0.3802,
0.4129


291.3653, 0.3445,
0.3677


 18.1522, 0.3895,
0.4250


 56.1167, 0.3669,
0.3958


 11.0593, 0.4013,
0.4409


 75.6148, 0.3620,
0.3895

 6.1067, 0.4166,
0.4621

 99.1752, 0.3578,
0.3844

 2.9101, 0.4466,
0.5028

 127.1823, 0.3543,
0.3800

 1.0850, 0.4638,
0.5362

160.0204, 0.3513,
0.3762

 0.0000, 0.0000,
0.0000

198.0740, 0.3487,

0.3730

241.7275, 0.3465,
0.3702

■ 27.7698, 0.3802,
0.4129

■ 27.7698, 0.3802,
0.4129

■ 26.6690, 0.3971,
0.4316

■ 28.9514, 0.3631,
0.3929

■ 25.6413, 0.4131,
0.4480

■ 30.2132, 0.3463,
0.3723

■ 24.6842, 0.4275,
0.4611

■ 31.5596, 0.3302,
0.3519

■ 23.7929, 0.4396,
0.4703

■ 32.9936, 0.3151,
0.3322

■ 22.9620, 0.4491,
0.4750

■ 34.5178, 0.3011,
0.3134

■ 22.3034, 0.4556,
0.4765

■ 36.1350, 0.2883,
0.2958

■ 37.8475, 0.2766,
0.2795

■ 39.6578, 0.2661,
0.2645

■ 41.5680, 0.2566,
0.2507

Harmonies

Analogous

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



27.7698, 0.4080, 0.3855



27.7698, 0.3802, 0.4129



27.7698, 0.3354, 0.4177

Triad

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



27.7698, 0.3802, 0.4129



27.7698, 0.2252, 0.2981



27.7698, 0.3341, 0.2758

Complementary

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



27.7698, 0.3802, 0.4129



14.3260, 0.2411, 0.2277

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.



27.7698, 0.2842, 0.2549



27.7698, 0.3802, 0.4129



27.7698, 0.2248, 0.2644

Square

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



27.7698, 0.3802, 0.4129



27.7698, 0.2468, 0.3460



27.7698, 0.2454, 0.2502



27.7698, 0.3811, 0.3086

Rectangle

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



27.7698, 0.3802, 0.4129



27.7698, 0.3024, 0.4041



27.7698, 0.2454, 0.2502



27.7698, 0.3170, 0.2672

Sweetspot

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



27.7711, 0.3802, 0.4129



57.1842, 0.3311, 0.3531



15.5526, 0.3946, 0.3076



12.5181, 0.3330, 0.3555



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



27.7711, 0.3802, 0.4129



48.5757, 0.3960, 0.4304



29.8036, 0.3520, 0.4370



7.5123, 0.3265, 0.3471



18.4215, 0.4553, 0.4767



0.3788, 0.4387, 0.4898

Inverse Universe

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



14.3260, 0.2411, 0.2277



20.8121, 0.2232, 0.2003



13.2342, 0.2593, 0.2114



6.6233, 0.2988, 0.3102



2.7305, 0.1555, 0.0798



0.0966, 0.1722, 0.1397

Previews

White Background



This preview shows how the Yxy color 27.7698, 0.3802, 0.4129 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 27.7698, 0.3802, 0.4129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

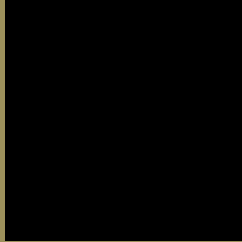
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7698, 0.3802, 0.4129

Background



This preview shows how black text looks on a background with the Yxy color 27.7698, 0.3802, 0.4129.



This preview shows how white text looks on a background with the Yxy color 27.7698, 0.3802, 0.4129.

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

27.7698, 0.3802, 0.4129

Protanopia

27.8699, 0.3814, 0.4126

Deuteranopia

27.5483, 0.4038, 0.3957



Tritanopia

27.7108, 0.3290, 0.3123

Trichromacy



Original Color

27.7698, 0.3802, 0.4129

Protanomaly

27.8699, 0.3814, 0.4126

Deuteranomaly

27.7444, 0.3947, 0.4019

Tritanomaly

27.7621, 0.3487, 0.3494

Monochromacy



Original Color

27.7698, 0.3802, 0.4129

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.2780, 0.3374, 0.3619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7698, 0.3802, 0.4129 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(156, 144, 91)` looks like.

```
.text, #text, p{  
    color:rgb(156, 144, 91)  
}
```

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(156, 144, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 144, 91) }
```

Border

The CSS property to change the border of an element to Yxy 27.7698, 0.3802, 0.4129 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(156, 144, 91) }
```

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

```
.border{ border-color:rgb(156, 144, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 144, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 144, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 144, 91);  
box-shadow:4px 4px 4px 4px rgb(156, 144,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7698, 0.3802, 0.4129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 144, 91) }
```

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

```
.background{ background-color: rgb(156,  
144, 91) }
```

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