

Converting Colors

$Y_{xy}(28.7912, 0.3831, 0.4551)$

Have a look what the booklet for
Yxy(28.7912, 0.3831, 0.4551)
contains.

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Color

$\text{Yxy}(28.7912, 0.3831, 0.4551)$

Conversions

Conversions Part 1

Format	Color
Hex	939747
RGB	147, 151, 71
RGB Percent	58%, 59%, 28%
CMY	0.4235, 0.4078, 0.7217
CMYK	0.03, 0.00, 0.53, 0.41
HSL	63°, 36%, 44%
HSV	63°, 53%, 59%
XYZ	24.2362, 28.7912, 10.2360
YIQ	140.6840, 23.2960, -25.7280

Conversions

Conversions Part 2

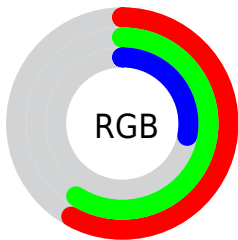
Format	Color
R_{YB}	71, 151, 75
Decimal	9672519
CIE _{Lab}	60.60, -13.10, 41.12
CIE _{LCh}	61, 43.159, 107.664
Yxy	28.7912, 0.3831, 0.4551
Android (android.graphics.Color)	4287862599 (0xFF939747)
YUV	140.6840, -34.3542, 5.5391
Hunter-Lab	53.6574, -13.2748, 26.2497

Details

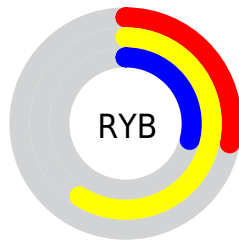
The Yxy color **28.7912, 0.3831, 0.4551** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.2322, 0.2179, 0.1671**, and the grayscale version is **26.6357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7643, 0.3711, 0.4289**, and **11.5482, 0.3994, 0.4955** is the 20% darker color. If you saturate the color by 10%, you get **28.5526, 0.3932, 0.4742**, and if you desaturate by 10%, it is **29.0810, 0.3713, 0.4333**.

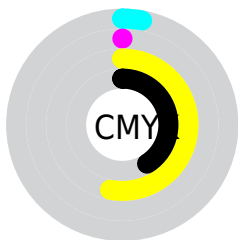
Distribution



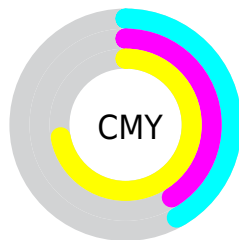
- Red (58%)
- Green (59%)
- Blue (28%)



- Red (28%)
- Yellow (59%)
- Blue (29%)



- Cyan (3%)
- Magenta (0%)
- Yellow (53%)
- Black (41%)





- Cyan (42%)
- Magenta (41%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7912, 0.3831, 0.4551 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 28.7912, 0.3831, 0.4551 by changing the saturation by 10% instead.


 28.7912, 0.3831,
0.4551


 28.7912, 0.3831,
0.4551

296.2285, 0.3480,
0.3869


 18.9229, 0.3908,
0.4730


 57.7452, 0.3709,
0.4294

 11.6146, 0.3995,
0.4959


 77.5997, 0.3661,
0.4200


 6.4818, 0.4082,
0.5258


 101.5517, 0.3619,
0.4122

 3.1402, 0.4229,
0.5771

 129.9856, 0.3584,
0.4056

 1.2054, 0.3975,
0.6025

 163.2859, 0.3553,
0.3999

 0.0661, 0.0000,
1.0000

201.8369, 0.3526,

 0.0000, 0.0000,

0.3950

0.0000

246.0229, 0.3502,
0.3907

■ 28.7912, 0.3831,
0.4551

■ 28.7912, 0.3831,
0.4551

■ 28.5526, 0.3932,
0.4742

■ 29.0810, 0.3713,
0.4333

■ 28.3578, 0.4011,
0.4897

■ 29.4214, 0.3582,
0.4096

■ 28.2037, 0.4066,
0.5011

■ 29.8167, 0.3445,
0.3850

■ 28.0856, 0.4095,
0.5084

■ 30.2697, 0.3305,
0.3602

■ 28.0149, 0.4108,
0.5120

■ 30.7828, 0.3168,
0.3361

■ 31.3586, 0.3035,
0.3129

■ 31.9992, 0.2910,
0.2912

■ 32.7069, 0.2793,
0.2710

■ 33.4837, 0.2684,
0.2525

Harmonies

Analogous

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



28.7912, 0.4345, 0.4209



28.7912, 0.3831, 0.4551



28.7912, 0.3160, 0.4510

Triad

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



28.7912, 0.3831, 0.4551



28.7912, 0.1895, 0.2628



28.7912, 0.3688, 0.2705

Complementary

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



28.7912, 0.3831, 0.4551



8.2322, 0.2179, 0.1671

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.



28.7912, 0.2963, 0.2363



28.7912, 0.3831, 0.4551



28.7912, 0.1996, 0.2287

Square

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



28.7912, 0.3831, 0.4551



28.7912, 0.2068, 0.3243



28.7912, 0.2361, 0.2211



28.7912, 0.4294, 0.3177

Rectangle

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



28.7912, 0.3831, 0.4551



28.7912, 0.2716, 0.4207



28.7912, 0.2361, 0.2211



28.7912, 0.3445, 0.2574

Sweetspot

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



28.7925, 0.3831, 0.4551



53.9249, 0.3351, 0.3684



11.8839, 0.4586, 0.3338



12.2215, 0.3378, 0.3731



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.



28.7925, 0.3831, 0.4551



51.0447, 0.3952, 0.4780



25.7975, 0.3401, 0.4761



7.2072, 0.3253, 0.3510



23.8353, 0.4108, 0.5120



0.3605, 0.4149, 0.5088

Inverse Universe

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



8.2322, 0.2179, 0.1671



10.0446, 0.1938, 0.1273



10.2918, 0.2654, 0.1854



6.0403, 0.2995, 0.3061



1.9461, 0.1521, 0.0612



0.0325, 0.1626, 0.0669

Previews

White Background



This preview shows how the Yxy color 28.7912, 0.3831, 0.4551 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 28.7912, 0.3831, 0.4551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

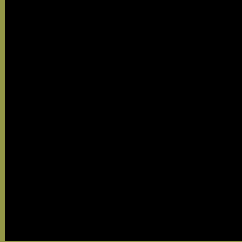
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7912, 0.3831, 0.4551

Background



This preview shows how black text looks on a background with the Yxy color 28.7912, 0.3831, 0.4551.



This preview shows how white text looks on a background with the Yxy color 28.7912, 0.3831, 0.4551.

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

28.7912, 0.3831, 0.4551

Protanopia

28.6688, 0.4058, 0.4431

Deuteranopia

28.6629, 0.4281, 0.4189



Tritanopia

28.7138, 0.3167, 0.3121

Trichromacy



Original Color

28.7912, 0.3831, 0.4551

Protanomaly

28.7901, 0.3976, 0.4471

Deuteranomaly

28.4508, 0.4118, 0.4312

Tritanomaly

28.4532, 0.3436, 0.3643

Monochromacy



Original Color

28.7912, 0.3831, 0.4551

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.3514, 0.3396, 0.3775

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7912, 0.3831, 0.4551 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(147, 151, 71)` looks like.

```
.text, #text, p{  
    color:rgb(147, 151, 71)  
}
```

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(147, 151, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 151, 71) }
```

Border

The CSS property to change the border of an element to Yxy 28.7912, 0.3831, 0.4551 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(147, 151, 71) }
```

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

```
.border{ border-color:rgb(147, 151, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 151, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 151, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 151, 71);  
box-shadow:4px 4px 4px 4px rgb(147, 151,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7912, 0.3831, 0.4551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 151, 71) }
```

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

```
.background{ background-color: rgb(147,  
151, 71) }
```

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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