

Converting Colors

$Y_{xy}(28.6882, 0.3961, 0.4418)$

Have a look what the booklet for
Yxy(28.6882, 0.3961, 0.4418)
contains.

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Color

Yxy(28.6176, 0.3970, 0.4415)

Conversions

Conversions Part 1

Format	Color
Hex	9E9349
RGB	158, 147, 73
RGB Percent	62%, 58%, 29%
CMY	0.3805, 0.4235, 0.7138
CMYK	0.00, 0.07, 0.54, 0.38
HSL	52°, 37%, 45%
HSV	52°, 54%, 62%
XYZ	25.7332, 28.6176, 10.4683
YIQ	141.8530, 30.3100, -20.6820

Conversions

Conversions Part 2

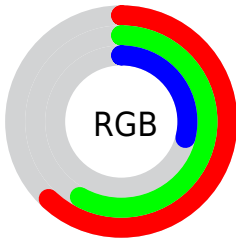
Format	Color
R_{YB}	86, 158, 73
Decimal	10392393
CIE Lab	60.44, -6.03, 40.18
CIE LCh	60, 40.626, 98.541
Yxy	28.6176, 0.3970, 0.4415
Android (android.graphics.Color)	4288582473 (0xFF9E9349)
YUV	141.8530, -33.9445, 14.1609
Hunter-Lab	53.4954, -7.7523, 25.8446

Details

The Yxy color **28.6176, 0.3970, 0.4415** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.2170, 0.2159, 0.1825**, and the grayscale version is **27.1160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5247, 0.3809, 0.4193**, and **11.5584, 0.4182, 0.4763** is the 20% darker color. If you saturate the color by 10%, you get **27.8070, 0.4111, 0.4580**, and if you desaturate by 10%, it is **29.4953, 0.3816, 0.4224**.

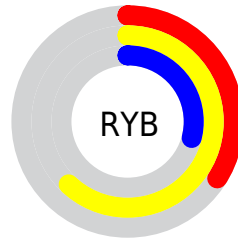
Distribution



Red (62%)

Green (58%)

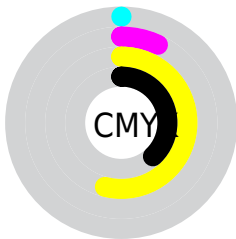
Blue (29%)



Red (34%)

Yellow (62%)

Blue (29%)

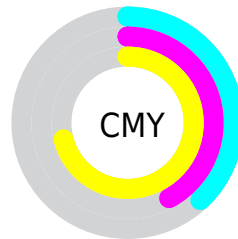


Cyan (0%)

Magenta (7%)

Yellow (54%)

Black (38%)



Cyan (38%)


Magenta (42%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6176, 0.3970, 0.4415 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 28.6176, 0.3970, 0.4415 by changing the saturation by 10% instead.


 28.6176, 0.3970,
0.4415


 28.6176, 0.3970,
0.4415


295.4064, 0.3538,
0.3818

 18.7917, 0.4072,
0.4567


 57.4690, 0.3815,
0.4194


 11.5199, 0.4194,
0.4758


 77.2633, 0.3756,
0.4111


 6.4177, 0.4333,
0.4997


 101.1492, 0.3705,
0.4042

 3.1007, 0.4580,
0.5420

 129.5110, 0.3662,
0.3984

 1.1845, 0.4467,
0.5533

 162.7333, 0.3625,
0.3933

 0.0490, 0.0000,
1.0000

201.2004, 0.3592,

 0.0000, 0.0000,

0.3890

0.0000

245.2966, 0.3563,
0.3852

■ 28.6176, 0.3970,
0.4415

■ 28.6176, 0.3970,
0.4415

■ 27.8070, 0.4111,
0.4580

■ 29.4953, 0.3816,
0.4224

■ 27.0554, 0.4233,
0.4710

■ 30.4398, 0.3654,
0.4015

■ 26.3593, 0.4330,
0.4798

■ 31.4560, 0.3492,
0.3798

■ 25.7130, 0.4401,
0.4843

■ 32.5469, 0.3334,
0.3581

■ 25.3281, 0.4437,
0.4859

■ 33.7156, 0.3182,
0.3368

■ 34.9646, 0.3040,
0.3165

■ 36.2968, 0.2909,
0.2974

■ 37.7145, 0.2788,
0.2796

■ 39.2201, 0.2678,
0.2632

Harmonies

Analogous

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



28.6176, 0.4375, 0.4033



28.6176, 0.3970, 0.4415



28.6176, 0.3363, 0.4497

Triad

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



28.6176, 0.3970, 0.4415



28.6176, 0.1978, 0.2820



28.6176, 0.3450, 0.2620

Complementary

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



28.6176, 0.3970, 0.4415



10.2170, 0.2159, 0.1825

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.



28.6176, 0.2780, 0.2343



28.6176, 0.3970, 0.4415



28.6176, 0.1995, 0.2411

Square

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



28.6176, 0.3970, 0.4415



28.6176, 0.2227, 0.3462



28.6176, 0.2269, 0.2261



28.6176, 0.4082, 0.3041

Rectangle

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



28.6176, 0.3970, 0.4415



28.6176, 0.2930, 0.4302



28.6176, 0.2269, 0.2261



28.6176, 0.3218, 0.2509

Sweetspot

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



28.6189, 0.3970, 0.4415



58.6129, 0.3373, 0.3635



12.6753, 0.4444, 0.3113



13.1272, 0.3403, 0.3677



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.



28.6189, 0.3970, 0.4415



50.1664, 0.4143, 0.4616



29.4245, 0.3550, 0.4716



7.5743, 0.3264, 0.3483



20.3319, 0.4435, 0.4861



0.4004, 0.4326, 0.4947

Inverse Universe

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



10.2170, 0.2159, 0.1825



13.1192, 0.1926, 0.1442



10.1833, 0.2461, 0.1755



6.5664, 0.2988, 0.3089



2.4236, 0.1533, 0.0719



0.0782, 0.1662, 0.1184

Previews

White Background



This preview shows how the Yxy color 28.6176, 0.3970, 0.4415 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 28.6176, 0.3970, 0.4415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

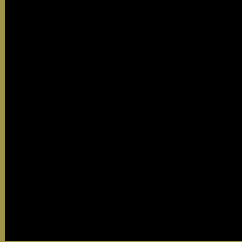
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6176, 0.3970, 0.4415

Background



This preview shows how black text looks on a background with the Yxy color 28.6176, 0.3970, 0.4415.



This preview shows how white text looks on a background with the Yxy color 28.6176, 0.3970, 0.4415.

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

28.6176, 0.3970, 0.4415

Protanopia

28.6159, 0.4013, 0.4386

Deuteranopia

28.5569, 0.4261, 0.4182



Tritanopia

28.6345, 0.3309, 0.3140

Trichromacy



Original Color

28.6176, 0.3970, 0.4415

Protanomaly

28.5124, 0.4001, 0.4391

Deuteranomaly

28.4983, 0.4152, 0.4271

Tritanomaly

28.4079, 0.3569, 0.3618

Monochromacy



Original Color

28.6176, 0.3970, 0.4415

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.5268, 0.3445, 0.3734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6176, 0.3970, 0.4415 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(158, 147, 73)` looks like.

```
.text, #text, p{  
    color:rgb(158, 147, 73)  
}
```

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(158, 147, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 147, 73) }
```

Border

The CSS property to change the border of an element to Yxy 28.6176, 0.3970, 0.4415 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(158, 147, 73) }
```

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

```
.border{ border-color:rgb(158, 147, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 147, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 147, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 147, 73);  
box-shadow:4px 4px 4px 4px rgb(158, 147,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6176, 0.3970, 0.4415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 147, 73) }
```

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

```
.background{ background-color: rgb(158,  
147, 73) }
```

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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