

Converting Colors

$Yxy(28.5144, 0.3830, 0.4886)$

Have a look what the booklet for
Yxy(28.5144, 0.3830, 0.4886)
contains.

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Color

Yxy(28.6686, 0.3833, 0.4891)

Conversions

Conversions Part 1

Format	Color
Hex	899A33
RGB	137, 154, 51
RGB Percent	54%, 60%, 20%
CMY	0.4628, 0.3960, 0.8001
CMYK	0.11, 0.00, 0.67, 0.40
HSL	70°, 50%, 40%
HSV	70°, 67%, 60%
XYZ	22.4671, 28.6686, 7.4793
YIQ	137.1750, 22.9310, -35.6370

Conversions

Conversions Part 2

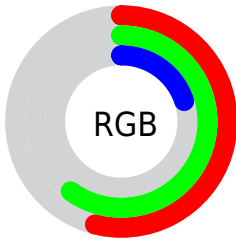
Format	Color
RYB	51, 154, 68
Decimal	9017907
CIELab	60.49, -20.54, 49.97
CIELCh	60, 54.023, 112.343
Yxy	28.6686, 0.3833, 0.4891
Android (android.graphics.Color)	4287207987 (0xFF899A33)
YUV	137.1750, -42.4843, -0.1535
Hunter-Lab	53.5431, -18.8002, 29.1981

Details

The Yxy color **28.6686, 0.3833, 0.4891** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.9291, 0.2019, 0.1274**, and the grayscale version is **25.2423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4285, 0.3734, 0.4563**, and **11.5853, 0.3888, 0.5295** is the 20% darker color. If you saturate the color by 10%, you get **28.3433, 0.3883, 0.5055**, and if you desaturate by 10%, it is **29.0466, 0.3760, 0.4690**.

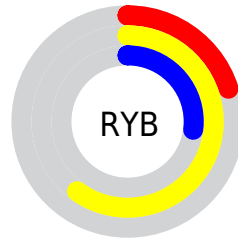
Distribution



Red (54%)

Green (60%)

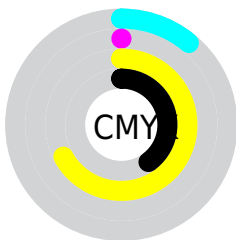
Blue (20%)



Red (20%)

Yellow (60%)

Blue (27%)

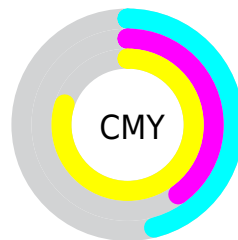


Cyan (11%)

Magenta (0%)

Yellow (67%)

Black (40%)



Cyan (46%)


Magenta (40%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6686, 0.3833, 0.4891 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 28.6686, 0.3833, 0.4891 by changing the saturation by 10% instead.


 28.6686, 0.3833,
0.4891


 28.6686, 0.3833,
0.4891


295.6481, 0.3506,
0.4025

 18.8303, 0.3888,
0.5113


 57.5501, 0.3729,
0.4567

 11.5477, 0.3933,
0.5390


 77.3621, 0.3685,
0.4448


 6.4365, 0.4006,
0.5830


 101.2675, 0.3646,
0.4348

 3.1123, 0.3845,
0.6155

 129.6505, 0.3611,
0.4263

 1.1906, 0.3359,
0.6641

 162.8957, 0.3580,
0.4190

 0.0540, 0.0000,
1.0000

 201.3875, 0.3553,

 0.0000, 0.0000,

0.4128

0.0000

245.5101, 0.3528,
0.4073

■ 28.6686, 0.3833,
0.4891

■ 28.6686, 0.3833,
0.4891

■ 28.3433, 0.3883,
0.5055

■ 29.0466, 0.3760,
0.4690

■ 28.0621, 0.3907,
0.5176

■ 29.4774, 0.3669,
0.4462

■ 27.8189, 0.3909,
0.5256

■ 29.9659, 0.3563,
0.4214

■ 27.7466, 0.3908,
0.5279

■ 30.5154, 0.3448,
0.3959

■ 31.1289, 0.3328,
0.3703

■ 31.8092, 0.3208,
0.3455

■ 32.5589, 0.3091,
0.3218

■ 33.3806, 0.2979,
0.2996

■ 34.2764, 0.2873,
0.2791

Harmonies

Analogous

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



28.6686, 0.4523, 0.4460



28.6686, 0.3833, 0.4891



28.6686, 0.3004, 0.4795

Triad

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



28.6686, 0.3833, 0.4891



28.6686, 0.1641, 0.2369



28.6686, 0.3960, 0.2653

Complementary

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



28.6686, 0.3833, 0.4891



5.9291, 0.2019, 0.1274

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.



28.6686, 0.3046, 0.2223



28.6686, 0.3833, 0.4891



28.6686, 0.1810, 0.2034

Square

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



28.6686, 0.3833, 0.4891



28.6686, 0.1780, 0.3066



28.6686, 0.2281, 0.2002



28.6686, 0.4672, 0.3219

Rectangle

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



28.6686, 0.3833, 0.4891



28.6686, 0.2481, 0.4343



28.6686, 0.2281, 0.2002



28.6686, 0.3657, 0.2490

Sweetspot

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



28.6699, 0.3833, 0.4891



56.1365, 0.3370, 0.3792



11.0577, 0.5066, 0.3523



12.6401, 0.3402, 0.3859



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.



28.6699, 0.3833, 0.4891



51.2310, 0.3897, 0.5117



25.3814, 0.3307, 0.5217



7.1712, 0.3236, 0.3512



22.6161, 0.3911, 0.5277



0.3502, 0.4046, 0.5170

Inverse Universe

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



5.9291, 0.2019, 0.1274



6.9662, 0.1780, 0.0907



8.5478, 0.2658, 0.1569



6.0729, 0.3012, 0.3062



2.0851, 0.1585, 0.0647



0.0420, 0.1892, 0.0816

Previews

White Background



This preview shows how the Yxy color 28.6686, 0.3833, 0.4891 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 28.6686, 0.3833, 0.4891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

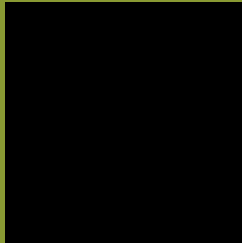
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6686, 0.3833, 0.4891

Background



This preview shows how black text looks on a background with the Yxy color 28.6686, 0.3833, 0.4891.



This preview shows how white text looks on a background with the Yxy color 28.6686, 0.3833, 0.4891.

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

28.6686, 0.3833, 0.4891

Protanopia

28.5660, 0.4214, 0.4641

Deuteranopia

28.2862, 0.4452, 0.4363



Tritanopia

28.6090, 0.3063, 0.3118

Trichromacy



Original Color

28.6686, 0.3833, 0.4891

Protanomaly

28.5952, 0.4075, 0.4728

Deuteranomaly

28.2122, 0.4224, 0.4556

Tritanomaly

28.3935, 0.3388, 0.3802

Monochromacy



Original Color

28.6686, 0.3833, 0.4891

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.0039, 0.3435, 0.3928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6686, 0.3833, 0.4891 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(137, 154, 51)` looks like.

```
.text, #text, p{  
    color:rgb(137, 154, 51)  
}
```

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(137, 154, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 154, 51) }
```

Border

The CSS property to change the border of an element to Yxy 28.6686, 0.3833, 0.4891 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(137, 154, 51) }
```

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

```
.border{ border-color:rgb(137, 154, 51) }
```

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

Here you see how a box with a 4 pixel rgb(137, 154, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 154, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 154, 51);  
box-shadow:4px 4px 4px 4px rgb(137, 154,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6686, 0.3833, 0.4891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 154, 51) }
```

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

```
.background{ background-color: rgb(137,  
154, 51) }
```

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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