

Converting Colors

$Y_{xy}(28.1233, 0.3966, 0.4736)$

Have a look what the booklet for
Yxy(28.1233, 0.3966, 0.4736)
contains.

Yxy(27.9643, 0.3970, 0.4735)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.9643, 0.3970, 0.4735)

Conversions

Conversions Part 1

Format	Color
Hex	939536
RGB	147, 149, 54
RGB Percent	58%, 58%, 21%
CMY	0.4235, 0.4157, 0.7883
CMYK	0.01, 0.00, 0.64, 0.42
HSL	61°, 47%, 40%
HSV	61°, 64%, 58%
XYZ	23.4463, 27.9643, 7.6481
YIQ	137.5720, 29.3030, -29.9690

Conversions

Conversions Part 2

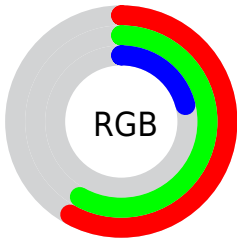
Format	Color
R_{YB}	54, 149, 56
Decimal	9671990
CIE Lab	59.86, -13.39, 48.27
CIE LCh	60, 50.089, 105.502
Yxy	27.9643, 0.3970, 0.4735
Android (android.graphics.Color)	4287862070 (0xFF939536)
YUV	137.5720, -41.2010, 8.2684
Hunter-Lab	52.8813, -13.3996, 28.4419

Details

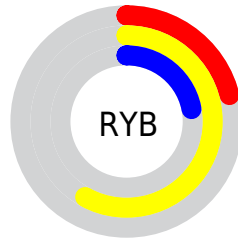
The Yxy color **27.9643, 0.3970, 0.4735** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.6456, 0.1942, 0.1310**, and the grayscale version is **25.3954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4283, 0.3832, 0.4455**, and **11.2508, 0.4094, 0.5131** is the 20% darker color. If you saturate the color by 10%, you get **27.8176, 0.4052, 0.4881**, and if you desaturate by 10%, it is **28.1566, 0.3866, 0.4552**.

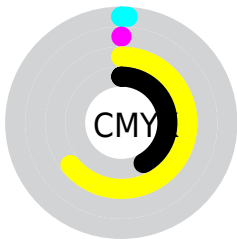
Distribution



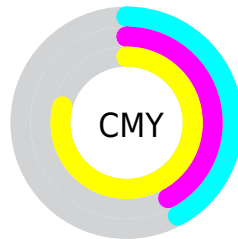
- Red (58%)
- Green (58%)
- Blue (21%)



- Red (21%)
- Yellow (58%)
- Blue (22%)



- Cyan (1%)
- Magenta (0%)
- Yellow (64%)
- Black (42%)





- Cyan (42%)
- Magenta (42%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9643, 0.3970, 0.4735 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 27.9643, 0.3970, 0.4735 by changing the saturation by 10% instead.


 27.9643, 0.3970,
0.4735


 27.9643, 0.3970,
0.4735

 292.2963, 0.3559,
0.3963


 18.2987, 0.4052,
0.4928


 56.4274, 0.3831,
0.4450


 11.1647, 0.4136,
0.5166


 75.9938, 0.3775,
0.4343

 6.1777, 0.4263,
0.5536

 99.6293, 0.3726,
0.4254

 2.9534, 0.4200,
0.5800

 127.7182, 0.3684,
0.4178

 1.1075, 0.3908,
0.6092

 160.6449, 0.3647,
0.4112

 0.0000, 0.0000,
0.0000

 198.7939, 0.3614,

0.4056

242.5496, 0.3585,
0.4006

■ 27.9643, 0.3970,
0.4735

■ 27.9643, 0.3970,
0.4735

■ 27.8176, 0.4052,
0.4881

■ 28.1566, 0.3866,
0.4552

■ 27.7085, 0.4110,
0.4987

■ 28.3941, 0.3743,
0.4341

■ 27.6334, 0.4143,
0.5051

■ 28.6813, 0.3609,
0.4109

■ 27.5952, 0.4157,
0.5081

■ 29.0211, 0.3466,
0.3866

■ 29.4162, 0.3322,
0.3620

■ 29.8691, 0.3180,
0.3379

■ 30.3821, 0.3043,
0.3147

■ 30.9574, 0.2913,
0.2928

■ 31.5972, 0.2792,
0.2724

Harmonies

Analogous

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



27.9643, 0.4556, 0.4282



27.9643, 0.3970, 0.4735



27.9643, 0.3202, 0.4766

Triad

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



27.9643, 0.3970, 0.4735



27.9643, 0.1723, 0.2549



27.9643, 0.3717, 0.2583

Complementary

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



27.9643, 0.3970, 0.4735



5.6456, 0.1942, 0.1310

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.



27.9643, 0.2871, 0.2213



27.9643, 0.3970, 0.4735



27.9643, 0.1818, 0.2151

Square

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



27.9643, 0.3970, 0.4735



27.9643, 0.1932, 0.3282



27.9643, 0.2203, 0.2055



27.9643, 0.4456, 0.3102

Rectangle

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



27.9643, 0.3970, 0.4735



27.9643, 0.2688, 0.4437



27.9643, 0.2203, 0.2055



27.9643, 0.3429, 0.2439

Sweetspot

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



27.9656, 0.3970, 0.4735



52.2691, 0.3403, 0.3758



9.4414, 0.5082, 0.3320



11.5439, 0.3441, 0.3822



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



27.9656, 0.3970, 0.4735



49.7138, 0.4083, 0.4937



24.4657, 0.3438, 0.5049



6.7385, 0.3256, 0.3509



23.2259, 0.4158, 0.5081



0.2859, 0.4177, 0.5066

Inverse Universe

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



5.6456, 0.1942, 0.1310



6.3518, 0.1699, 0.0911



7.6935, 0.2504, 0.1560



5.6384, 0.2992, 0.3062



1.8450, 0.1509, 0.0605



0.0237, 0.1555, 0.0630

Previews

White Background



This preview shows how the Yxy color 27.9643, 0.3970, 0.4735 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 27.9643, 0.3970, 0.4735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

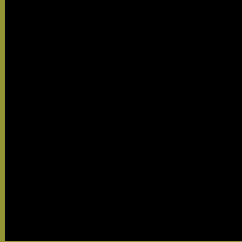
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9643, 0.3970, 0.4735

Background



This preview shows how black text looks on a background with the Yxy color 27.9643, 0.3970, 0.4735.



This preview shows how white text looks on a background with the Yxy color 27.9643, 0.3970, 0.4735.

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

27.9643, 0.3970, 0.4735

Protanopia

27.7806, 0.4185, 0.4593

Deuteranopia

27.7805, 0.4425, 0.4344



Tritanopia

27.7352, 0.3200, 0.3120

Trichromacy



Original Color

27.9643, 0.3970, 0.4735

Protanomaly

27.8827, 0.4108, 0.4650

Deuteranomaly

27.5607, 0.4255, 0.4476

Tritanomaly

27.6550, 0.3526, 0.3743

Monochromacy



Original Color

27.9643, 0.3970, 0.4735

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.0703, 0.3474, 0.3886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9643, 0.3970, 0.4735 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, 149, 54)` looks like.

```
.text, #text, p{  
    color:rgb(147, 149, 54)  
}
```

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, 149, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 149, 54) }
```

Border

The CSS property to change the border of an element to Yxy 27.9643, 0.3970, 0.4735 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, 149, 54) }
```

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

```
.border{ border-color:rgb(147, 149, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 149, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 149, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 149, 54);  
box-shadow:4px 4px 4px 4px rgb(147, 149,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9643, 0.3970, 0.4735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 149, 54) }
```

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

```
.background{ background-color: rgb(147,  
149, 54) }
```

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