

Converting Colors

$Y_{xy}(29.0859, 0.3952, 0.4804)$

Have a look what the booklet for
Yxy(29.0859, 0.3952, 0.4804)
contains.

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Color

Yxy(29.2245, 0.3954, 0.4810)

Conversions

Conversions Part 1

Format	Color
Hex	939933
RGB	147, 153, 51
RGB Percent	58%, 60%, 20%
CMY	0.4235, 0.4000, 0.7999
CMYK	0.04, 0.00, 0.67, 0.40
HSL	64°, 50%, 40%
HSV	64°, 67%, 60%
XYZ	24.0236, 29.2245, 7.5097
YIQ	139.5780, 29.1660, -32.9940

Conversions

Conversions Part 2

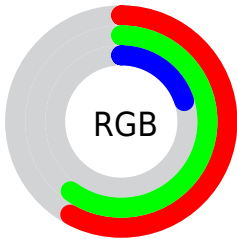
Format	Color
RYB	51, 153, 57
Decimal	9673011
CIELab	60.98, -15.67, 50.70
CIElCh	61, 53.071, 107.178
Yxy	29.2245, 0.3954, 0.4810
Android (android.graphics.Color)	4287863091 (0xFF939933)
YUV	139.5780, -43.6690, 6.5091
Hunter-Lab	54.0597, -15.2807, 29.6056

Details

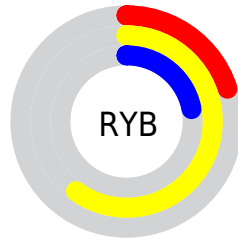
The Yxy color **29.2245, 0.3954, 0.4810** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.5404, 0.1920, 0.1234**, and the grayscale version is **26.2197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3014, 0.3824, 0.4513**, and **11.8299, 0.4048, 0.5168** is the 20% darker color. If you saturate the color by 10%, you get **29.0296, 0.4023, 0.4952**, and if you desaturate by 10%, it is **29.4672, 0.3862, 0.4630**.

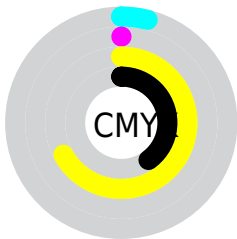
Distribution



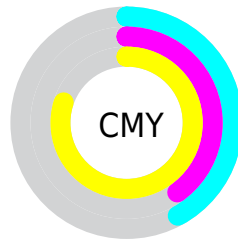
- Red (58%)
- Green (60%)
- Blue (20%)



- Red (20%)
- Yellow (60%)
- Blue (22%)



- Cyan (4%)
- Magenta (0%)
- Yellow (67%)
- Black (40%)




- Cyan (42%)
- Magenta (40%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.2245, 0.3954, 0.4810 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 29.2245, 0.3954, 0.4810 by changing the saturation by 10% instead.


 29.2245, 0.3954,
0.4810

 29.2245, 0.3954,
0.4810


298.2727, 0.3561,
0.4002

 19.2507, 0.4027,
0.5010


 58.4336, 0.3825,
0.4513

 11.8516, 0.4098,
0.5254

 78.4377, 0.3771,
0.4402


 6.6427, 0.4205,
0.5634


 102.5540, 0.3724,
0.4308

 3.2397, 0.4106,
0.5894

 131.1669, 0.3683,
0.4228

 1.2581, 0.3805,
0.6195

 164.6609, 0.3647,
0.4160

 0.1084, 0.0000,
1.0000

 203.4202, 0.3615,

 0.0000, 0.0000,

0.4100

0.0000

247.8294, 0.3586,
0.4048

■ 29.2245, 0.3954,
0.4810

■ 29.2245, 0.3954,
0.4810

■ 29.0296, 0.4023,
0.4952

■ 29.4672, 0.3862,
0.4630

■ 28.8738, 0.4067,
0.5053

■ 29.7575, 0.3751,
0.4419

■ 28.7516, 0.4087,
0.5115

■ 30.1004, 0.3626,
0.4187

■ 28.7132, 0.4093,
0.5132

■ 30.4989, 0.3492,
0.3942

■ 30.9561, 0.3354,
0.3693

■ 31.4746, 0.3216,
0.3448

■ 32.0570, 0.3083,
0.3212

■ 32.7056, 0.2956,
0.2989

■ 33.4228, 0.2837,
0.2782

Harmonies

Analogous

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



29.2245, 0.4583, 0.4343



29.2245, 0.3954, 0.4810



29.2245, 0.3152, 0.4821

Triad

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



29.2245, 0.3954, 0.4810



29.2245, 0.1671, 0.2482



29.2245, 0.3790, 0.2582

Complementary

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



29.2245, 0.3954, 0.4810



5.5404, 0.1920, 0.1234

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.



29.2245, 0.2904, 0.2190



29.2245, 0.3954, 0.4810



29.2245, 0.1785, 0.2094

Square

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



29.2245, 0.3954, 0.4810



29.2245, 0.1864, 0.3226



29.2245, 0.2198, 0.2014



29.2245, 0.4546, 0.3122

Rectangle

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



29.2245, 0.3954, 0.4810



29.2245, 0.2623, 0.4453



29.2245, 0.2198, 0.2014



29.2245, 0.3490, 0.2431

Sweetspot

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



29.2258, 0.3954, 0.4810



55.1198, 0.3406, 0.3786



9.8523, 0.5182, 0.3369



12.1246, 0.3441, 0.3850



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.



29.2258, 0.3954, 0.4810



51.8429, 0.4047, 0.5007



25.5584, 0.3406, 0.5148



7.2044, 0.3252, 0.3511



23.7362, 0.4093, 0.5132



0.3597, 0.4141, 0.5094

Inverse Universe

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



5.5404, 0.1920, 0.1234



6.2777, 0.1685, 0.0858



7.8029, 0.2513, 0.1507



6.0428, 0.2997, 0.3061



1.9540, 0.1525, 0.0614



0.0332, 0.1647, 0.0681

Previews

White Background



This preview shows how the Yxy color 29.2245, 0.3954, 0.4810 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 29.2245, 0.3954, 0.4810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

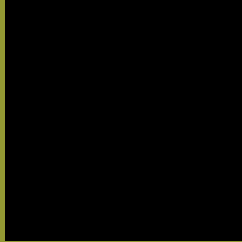
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2245, 0.3954, 0.4810

Background



This preview shows how black text looks on a background with the Yxy color 29.2245, 0.3954, 0.4810.



This preview shows how white text looks on a background with the Yxy color 29.2245, 0.3954, 0.4810.

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

29.2245, 0.3954, 0.4810

Protanopia

28.9817, 0.4215, 0.4645

Deuteranopia

29.1090, 0.4452, 0.4375



Tritanopia

29.1461, 0.3167, 0.3122

Trichromacy



Original Color

29.2245, 0.3954, 0.4810

Protanomaly

28.9943, 0.4121, 0.4700

Deuteranomaly

29.0632, 0.4270, 0.4535

Tritanomaly

28.9241, 0.3491, 0.3771

Monochromacy



Original Color

29.2245, 0.3954, 0.4810

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.1731, 0.3477, 0.3910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2245, 0.3954, 0.4810 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, 153, 51)` looks like.

```
.text, #text, p{  
    color:rgb(147, 153, 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(147, 153, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 153, 51) }
```

Border

The CSS property to change the border of an element to Yxy 29.2245, 0.3954, 0.4810 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, 153, 51) }
```

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

```
.border{ border-color:rgb(147, 153, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 153, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 153, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 153, 51);  
box-shadow:4px 4px 4px 4px rgb(147, 153,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2245, 0.3954, 0.4810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 153, 51) }
```

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

```
.background{ background-color: rgb(147,  
153, 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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