

Converting Colors

$Y_{xy}(29.3137, 0.3944, 0.4740)$

Have a look what the booklet for
Yxy(29.3137, 0.3944, 0.4740)
contains.

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Color

Yxy(29.4576, 0.3946, 0.4744)

Conversions

Conversions Part 1

Format	Color
Hex	959938
RGB	149, 153, 56
RGB Percent	58%, 60%, 22%
CMY	0.4156, 0.4000, 0.7804
CMYK	0.03, 0.00, 0.63, 0.40
HSL	62°, 46%, 41%
HSV	62°, 63%, 60%
XYZ	24.5025, 29.4576, 8.1344
YIQ	140.7460, 28.7530, -31.0150

Conversions

Conversions Part 2

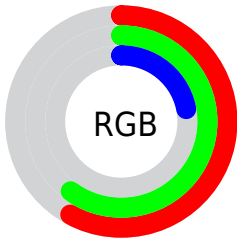
Format	Color
RYB	56, 153, 60
Decimal	9804088
CIELab	61.18, -14.47, 48.84
CIELCh	61, 50.939, 106.500
Yxy	29.4576, 0.3946, 0.4744
Android (android.graphics.Color)	4287994168 (0xFF959938)
YUV	140.7460, -41.7798, 7.2388
Hunter-Lab	54.2749, -14.3969, 29.1064

Details

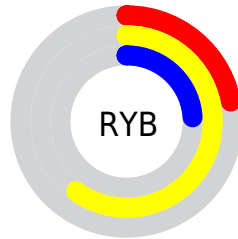
The Yxy color **29.4576, 0.3946, 0.4744** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.0870, 0.1964, 0.1325**, and the grayscale version is **26.6912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6875, 0.3810, 0.4454**, and **11.9356, 0.4080, 0.5142** is the 20% darker color. If you saturate the color by 10%, you get **29.2726, 0.4026, 0.4896**, and if you desaturate by 10%, it is **29.6913, 0.3844, 0.4556**.

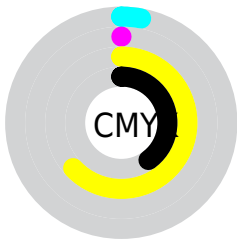
Distribution



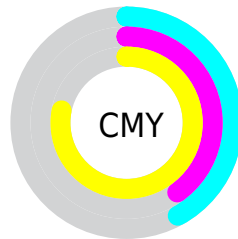
- Red (58%)
- Green (60%)
- Blue (22%)



- Red (22%)
- Yellow (60%)
- Blue (24%)



- Cyan (3%)
- Magenta (0%)
- Yellow (63%)
- Black (40%)





- Cyan (42%)
- Magenta (40%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 29.4576, 0.3946, 0.4744 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 29.4576, 0.3946, 0.4744 by changing the saturation by 10% instead.


 29.4576, 0.3946,
0.4744


 29.4576, 0.3946,
0.4744


 299.3680, 0.3552,
0.3971


 19.4273, 0.4023,
0.4937


 58.8033, 0.3814,
0.4459


 11.9794, 0.4102,
0.5174


 78.8875, 0.3760,
0.4353


 6.7297, 0.4202,
0.5516


 103.0918, 0.3713,
0.4263

 3.2936, 0.4171,
0.5829

 131.8005, 0.3673,
0.4187

 1.2869, 0.3902,
0.6098

 165.3981, 0.3637,
0.4121

 0.1310, 0.0000,
1.0000

 204.2689, 0.3605,

 0.0000, 0.0000,

0.4065

0.0000

248.7974, 0.3577,
0.4015

■ 29.4576, 0.3946,
0.4744

■ 29.4576, 0.3946,
0.4744

■ 29.2726, 0.4026,
0.4896

■ 29.6913, 0.3844,
0.4556

■ 29.1281, 0.4081,
0.5006

■ 29.9736, 0.3725,
0.4340

■ 29.0201, 0.4111,
0.5075

■ 30.3090, 0.3593,
0.4105

■ 28.9598, 0.4123,
0.5108

■ 30.7008, 0.3454,
0.3860

■ 31.1518, 0.3313,
0.3613

■ 31.6646, 0.3174,
0.3370

■ 32.2417, 0.3039,
0.3138

■ 32.8856, 0.2912,
0.2920

■ 33.5983, 0.2794,
0.2717

Harmonies

Analogous

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



29.4576, 0.4541, 0.4300



29.4576, 0.3946, 0.4744



29.4576, 0.3175, 0.4756

Triad

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



29.4576, 0.3946, 0.4744



29.4576, 0.1722, 0.2531



29.4576, 0.3745, 0.2598

Complementary

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



29.4576, 0.3946, 0.4744



6.0870, 0.1964, 0.1325

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.



29.4576, 0.2897, 0.2222



29.4576, 0.3946, 0.4744



29.4576, 0.1826, 0.2143

Square

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



29.4576, 0.3946, 0.4744



29.4576, 0.1920, 0.3253



29.4576, 0.2221, 0.2057



29.4576, 0.4474, 0.3121

Rectangle

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



29.4576, 0.3946, 0.4744



29.4576, 0.2664, 0.4413



29.4576, 0.2221, 0.2057



29.4576, 0.3458, 0.2453

Sweetspot

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



29.4590, 0.3946, 0.4744



55.2957, 0.3397, 0.3760



10.2086, 0.5052, 0.3344



12.1643, 0.3434, 0.3825



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.



29.4590, 0.3946, 0.4744



52.3110, 0.4051, 0.4946



25.8490, 0.3421, 0.5053



7.2100, 0.3254, 0.3510



23.9391, 0.4124, 0.5108



0.3613, 0.4157, 0.5081

Inverse Universe

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



6.0870, 0.1964, 0.1325



6.9936, 0.1726, 0.0939



8.2985, 0.2529, 0.1576



6.0378, 0.2994, 0.3061



1.9379, 0.1517, 0.0610



0.0318, 0.1604, 0.0657

Previews

White Background



This preview shows how the Yxy color 29.4576, 0.3946, 0.4744 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 29.4576, 0.3946, 0.4744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

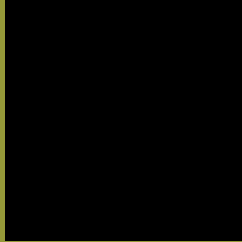
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4576, 0.3946, 0.4744

Background



This preview shows how black text looks on a background with the Yxy color 29.4576, 0.3946, 0.4744.



This preview shows how white text looks on a background with the Yxy color 29.4576, 0.3946, 0.4744.

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

29.4576, 0.3946, 0.4744

Protanopia

29.4550, 0.4178, 0.4592

Deuteranopia

29.1497, 0.4422, 0.4337



Tritanopia

29.2471, 0.3177, 0.3123

Trichromacy



Original Color

29.4576, 0.3946, 0.4744

Protanomaly

29.4595, 0.4091, 0.4655

Deuteranomaly

29.2245, 0.4247, 0.4479

Tritanomaly

29.1440, 0.3504, 0.3751

Monochromacy



Original Color

29.4576, 0.3946, 0.4744

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.3059, 0.3468, 0.3874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4576, 0.3946, 0.4744 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(149, 153, 56)` looks like.

```
.text, #text, p{  
    color:rgb(149, 153, 56)  
}
```

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(149, 153, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 153, 56) }
```

Border

The CSS property to change the border of an element to Yxy 29.4576, 0.3946, 0.4744 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(149, 153, 56) }
```

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

```
.border{ border-color:rgb(149, 153, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 153, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 153, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 153, 56);  
box-shadow:4px 4px 4px 4px rgb(149, 153,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4576, 0.3946, 0.4744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 153, 56) }
```

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

```
.background{ background-color: rgb(149,  
153, 56) }
```

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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