

Converting Colors

$Y_{xy}(27.3370, 0.4058, 0.4862)$

Have a look what the booklet for
Yxy(27.3370, 0.4058, 0.4862)
contains.

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Color

$\text{Yxy}(27.4440, 0.4049, 0.4868)$

Conversions

Conversions Part 1

Format	Color
Hex	929428
RGB	146, 148, 40
RGB Percent	57%, 58%, 16%
CMY	0.4275, 0.4196, 0.8429
CMYK	0.01, 0.00, 0.73, 0.42
HSL	61°, 57%, 37%
HSV	61°, 73%, 58%
XYZ	22.8268, 27.4440, 6.1056
YIQ	135.0900, 33.4760, -34.0120

Conversions

Conversions Part 2

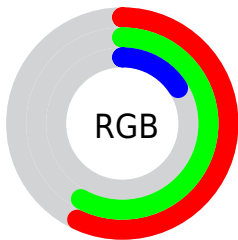
Format	Color
R_{YB}	40, 148, 42
Decimal	9606184
CIE _{Lab}	59.38, -14.13, 53.42
CIE _{LCh}	59, 55.258, 104.819
Yxy	27.4440, 0.4049, 0.4868
Android (android.graphics.Color)	4287796264 (0xFF929428)
YUV	135.0900, -46.8794, 9.5681
Hunter-Lab	52.3870, -13.8989, 29.7608

Details

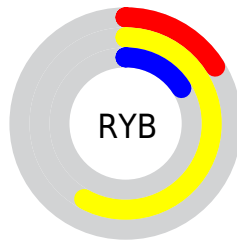
The Yxy color **27.4440, 0.4049, 0.4868** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.1526, 0.1781, 0.1047**, and the grayscale version is **24.4340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7279, 0.3910, 0.4566**, and **11.0107, 0.4093, 0.5132** is the 20% darker color. If you saturate the color by 10%, you get **27.3378, 0.4109, 0.4977**, and if you desaturate by 10%, it is **27.5914, 0.3964, 0.4719**.

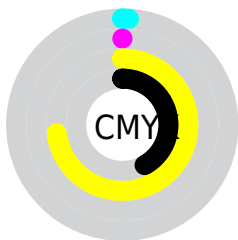
Distribution



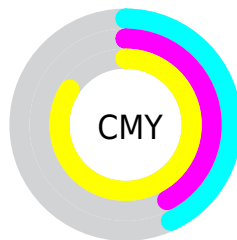
- Red (57%)
- Green (58%)
- Blue (16%)



- Red (16%)
- Yellow (58%)
- Blue (16%)



- Cyan (1%)
- Magenta (0%)
- Yellow (73%)
- Black (42%)





- Cyan (43%)
- Magenta (42%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4440, 0.4049, 0.4868 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 27.4440, 0.4049, 0.4868 by changing the saturation by 10% instead.


 27.4440, 0.4049,
0.4868

 27.4440, 0.4049,
0.4868


289.8005, 0.3610,
0.4033

 17.9070, 0.4128,
0.5068


 55.5955, 0.3906,
0.4564


 10.8832, 0.4200,
0.5306


 74.9788, 0.3846,
0.4449

 5.9884, 0.4315,
0.5685


 98.4129, 0.3794,
0.4352

 2.8380, 0.4152,
0.5848

 126.2824, 0.3747,
0.4269

 1.0478, 0.3800,
0.6200

 158.9714, 0.3707,
0.4197

 0.0000, 0.0000,
0.0000

 196.8645, 0.3671,

0.4135

240.3461, 0.3639,
0.4081

■ 27.4440, 0.4049,
0.4868

■ 27.4440, 0.4049,
0.4868

■ 27.3378, 0.4109,
0.4977

■ 27.5914, 0.3964,
0.4719

■ 27.2642, 0.4145,
0.5044

■ 27.7802, 0.3858,
0.4534

■ 27.2236, 0.4162,
0.5078

■ 28.0150, 0.3734,
0.4321

■ 28.2990, 0.3598,
0.4088

■ 28.6349, 0.3455,
0.3845

■ 29.0255, 0.3310,
0.3600

■ 29.4731, 0.3168,
0.3359

■ 29.9801, 0.3031,
0.3128

■ 30.5486, 0.2902,
0.2910

Harmonies

Analogous

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



27.4440, 0.4696, 0.4336



27.4440, 0.4049, 0.4868



27.4440, 0.3210, 0.4953

Triad

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



27.4440, 0.4049, 0.4868



27.4440, 0.1601, 0.2477



27.4440, 0.3754, 0.2504

Complementary

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



27.4440, 0.4049, 0.4868



4.1526, 0.1781, 0.1047

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.



27.4440, 0.2819, 0.2112



27.4440, 0.4049, 0.4868



27.4440, 0.1698, 0.2048

Square

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



27.4440, 0.4049, 0.4868



27.4440, 0.1825, 0.3291



27.4440, 0.2102, 0.1946



27.4440, 0.4587, 0.3057

Rectangle

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



27.4440, 0.4049, 0.4868



27.4440, 0.2648, 0.4600



27.4440, 0.2102, 0.1946



27.4440, 0.3433, 0.2351

Sweetspot

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



27.4453, 0.4049, 0.4868



50.5535, 0.3448, 0.3833



8.0950, 0.5504, 0.3320



11.5052, 0.3483, 0.3892



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.



27.4453, 0.4049, 0.4868



48.1383, 0.4136, 0.5027



23.6219, 0.3441, 0.5274



6.7392, 0.3257, 0.3509



23.2531, 0.4162, 0.5078



0.2860, 0.4179, 0.5064

Inverse Universe

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



4.1526, 0.1781, 0.1047



4.6042, 0.1575, 0.0713



6.1365, 0.2389, 0.1343



5.6378, 0.2992, 0.3062



1.8429, 0.1508, 0.0605



0.0236, 0.1549, 0.0627

Previews

White Background



This preview shows how the Yxy color 27.4440, 0.4049, 0.4868 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 27.4440, 0.4049, 0.4868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

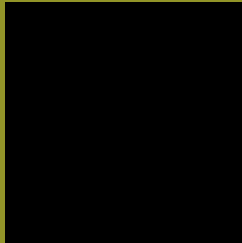
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.4440, 0.4049, 0.4868

Background



This preview shows how black text looks on a background with the Yxy color 27.4440, 0.4049, 0.4868.



This preview shows how white text looks on a background with the Yxy color 27.4440, 0.4049, 0.4868.

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

27.4440, 0.4049, 0.4868

Protanopia

27.2650, 0.4269, 0.4715

Deuteranopia

27.3815, 0.4528, 0.4449



Tritanopia

27.3154, 0.3201, 0.3119

Trichromacy



Original Color

27.4440, 0.4049, 0.4868

Protanomaly

27.3658, 0.4189, 0.4775

Deuteranomaly

27.1461, 0.4360, 0.4596

Tritanomaly

27.1255, 0.3581, 0.3827

Monochromacy



Original Color

27.4440, 0.4049, 0.4868

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.1652, 0.3531, 0.3980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4440, 0.4049, 0.4868 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(146, 148, 40)` looks like.

```
.text, #text, p{  
    color:rgb(146, 148, 40)  
}
```

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(146, 148, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 148, 40) }
```

Border

The CSS property to change the border of an element to Yxy 27.4440, 0.4049, 0.4868 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(146, 148, 40) }
```

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

```
.border{ border-color:rgb(146, 148, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 148, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 148, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 148, 40);  
box-shadow:4px 4px 4px 4px rgb(146, 148,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4440, 0.4049, 0.4868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 148, 40) }
```

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

```
.background{ background-color: rgb(146,  
148, 40) }
```

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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