

Converting Colors

$Y_{xy}(29.2537, 0.3916, 0.4752)$

Have a look what the booklet for
Yxy(29.2537, 0.3916, 0.4752)
contains.

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Color

Yxy(29.2809, 0.3917, 0.4746)

Conversions

Conversions Part 1

Format	Color
Hex	939939
RGB	147, 153, 57
RGB Percent	58%, 60%, 22%
CMY	0.4234, 0.4000, 0.7765
CMYK	0.04, 0.00, 0.63, 0.40
HSL	64°, 46%, 41%
HSV	64°, 63%, 60%
XYZ	24.1663, 29.2809, 8.2487
YIQ	140.2620, 27.2400, -31.1280

Conversions

Conversions Part 2

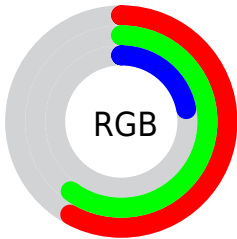
Format	Color
RYB	57, 153, 63
Decimal	9673017
CIELab	61.03, -15.26, 48.18
CIELCh	61, 50.541, 107.577
Yxy	29.2809, 0.3917, 0.4746
Android (android.graphics.Color)	4287863097 (0xFF939939)
YUV	140.2620, -41.0482, 5.9092
Hunter-Lab	54.1118, -14.9777, 28.8402

Details

The Yxy color **29.2809, 0.3917, 0.4746** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.2818, 0.1996, 0.1354**, and the grayscale version is **26.4900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4049, 0.3793, 0.4462**, and **11.8299, 0.4048, 0.5168** is the 20% darker color. If you saturate the color by 10%, you get **29.0643, 0.3994, 0.4905**, and if you desaturate by 10%, it is **29.5469, 0.3818, 0.4552**.

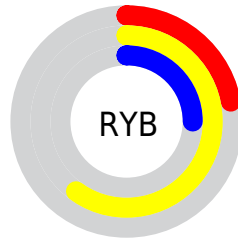
Distribution



Red (58%)

Green (60%)

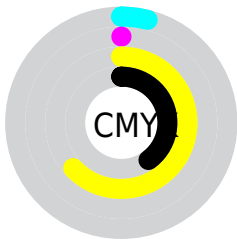
Blue (22%)



Red (22%)

Yellow (60%)

Blue (25%)

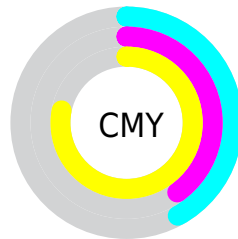


Cyan (4%)

Magenta (0%)

Yellow (63%)

Black (40%)



Cyan (42%)


Magenta (40%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2809, 0.3917, 0.4746 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 29.2809, 0.3917, 0.4746 by changing the saturation by 10% instead.

 29.2809, 0.3917,
0.4746


 29.2809, 0.3917,
0.4746

298.5380, 0.3537,
0.3968

 19.2934, 0.3991,
0.4942


 58.5231, 0.3790,
0.4458


 11.8825, 0.4066,
0.5185


 78.5466, 0.3738,
0.4351


 6.6637, 0.4158,
0.5533


 102.6842, 0.3693,
0.4261

 3.2527, 0.4128,
0.5872

 131.3203, 0.3654,
0.4184

 1.2650, 0.3838,
0.6162

 164.8394, 0.3619,
0.4119

 0.1139, 0.0000,
1.0000

 203.6258, 0.3588,

 0.0000, 0.0000,

0.4062

0.0000

248.0638, 0.3561,
0.4012

■ 29.2809, 0.3917,
0.4746

■ 29.2809, 0.3917,
0.4746

■ 29.0643, 0.3994,
0.4905

■ 29.5469, 0.3818,
0.4552

■ 28.8888, 0.4047,
0.5022

■ 29.8621, 0.3701,
0.4331

■ 28.7507, 0.4076,
0.5098

■ 30.2312, 0.3572,
0.4092

■ 28.6642, 0.4087,
0.5137

■ 30.6572, 0.3437,
0.3845

■ 31.1429, 0.3299,
0.3597

■ 31.6911, 0.3164,
0.3355

■ 32.3042, 0.3033,
0.3124

■ 32.9845, 0.2909,
0.2906

■ 33.7343, 0.2794,
0.2705

Harmonies

Analogous

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



29.2809, 0.4518, 0.4316



29.2809, 0.3917, 0.4746



29.2809, 0.3148, 0.4735

Triad

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



29.2809, 0.3917, 0.4746



29.2809, 0.1728, 0.2516



29.2809, 0.3772, 0.2618

Complementary

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



29.2809, 0.3917, 0.4746



6.2818, 0.1996, 0.1354

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.



29.2809, 0.2927, 0.2237



29.2809, 0.3917, 0.4746



29.2809, 0.1842, 0.2141

Square

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



29.2809, 0.3917, 0.4746



29.2809, 0.1914, 0.3223



29.2809, 0.2246, 0.2065



29.2809, 0.4485, 0.3143

Rectangle

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



29.2809, 0.3917, 0.4746



29.2809, 0.2641, 0.4380



29.2809, 0.2246, 0.2065



29.2809, 0.3487, 0.2472

Sweetspot

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



29.2822, 0.3917, 0.4746



55.1877, 0.3391, 0.3761



10.4909, 0.5003, 0.3368



12.1373, 0.3427, 0.3826



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.



29.2822, 0.3917, 0.4746



51.9282, 0.4017, 0.4954



25.7971, 0.3404, 0.5045



7.2034, 0.3251, 0.3511



23.6973, 0.4087, 0.5137



0.3594, 0.4138, 0.5096

Inverse Universe

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



6.2818, 0.1996, 0.1354



7.3063, 0.1759, 0.0971



8.5282, 0.2559, 0.1603



6.0437, 0.2997, 0.3061



1.9571, 0.1526, 0.0615



0.0335, 0.1655, 0.0686

Previews

White Background



This preview shows how the Yxy color 29.2809, 0.3917, 0.4746 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 29.2809, 0.3917, 0.4746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

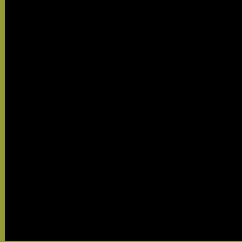
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2809, 0.3917, 0.4746

Background



This preview shows how black text looks on a background with the Yxy color 29.2809, 0.3917, 0.4746.



This preview shows how white text looks on a background with the Yxy color 29.2809, 0.3917, 0.4746.

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

29.2809, 0.3917, 0.4746

Protanopia

29.0358, 0.4176, 0.4587

Deuteranopia

29.1604, 0.4415, 0.4327



Tritanopia

29.1796, 0.3157, 0.3107

Trichromacy



Original Color

29.2809, 0.3917, 0.4746

Protanomaly

29.0495, 0.4083, 0.4640

Deuteranomaly

29.1231, 0.4228, 0.4474

Tritanomaly

28.9717, 0.3471, 0.3738

Monochromacy



Original Color

29.2809, 0.3917, 0.4746

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.2162, 0.3456, 0.3876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2809, 0.3917, 0.4746 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, 57)` looks like.

```
.text, #text, p{  
    color:rgb(147, 153, 57)  
}
```

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, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 153, 57) }
```

Border

The CSS property to change the border of an element to Yxy 29.2809, 0.3917, 0.4746 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, 57) }
```

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

```
.border{ border-color:rgb(147, 153, 57) }
```

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, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 153, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 153, 57);  
box-shadow:4px 4px 4px 4px rgb(147, 153,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2809, 0.3917, 0.4746 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, 57) }
```

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

```
.background{ background-color: rgb(147,  
153, 57) }
```

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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