

Converting Colors

$Y_{xy}(27.6377, 0.3830, 0.4777)$

Have a look what the booklet for
Yxy(27.6377, 0.3830, 0.4777)
contains.

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Color

Yxy(27.5114, 0.3838, 0.4772)

Conversions

Conversions Part 1

Format	Color
Hex	8A9639
RGB	138, 150, 57
RGB Percent	54%, 59%, 22%
CMY	0.4588, 0.4118, 0.7765
CMYK	0.08, 0.00, 0.62, 0.41
HSL	68°, 45%, 41%
HSV	68°, 62%, 59%
XYZ	22.1267, 27.5114, 8.0136
YIQ	135.8100, 22.7010, -31.4670

Conversions

Conversions Part 2

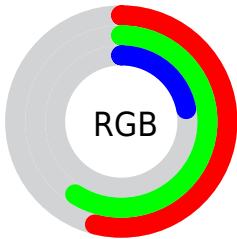
Format	Color
RYB	57, 150, 69
Decimal	9082425
CIELab	59.44, -17.61, 46.26
CIELCh	59, 49.501, 110.839
Yxy	27.5114, 0.3838, 0.4772
Android (android.graphics.Color)	4287272505 (0xFF8A9639)
YUV	135.8100, -38.8533, 1.9206
Hunter-Lab	52.4513, -16.4891, 27.6575

Details

The Yxy color **27.5114, 0.3838, 0.4772** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.3924, 0.2075, 0.1408**, and the grayscale version is **24.6882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6059, 0.3722, 0.4471**, and **10.8550, 0.3960, 0.5237** is the 20% darker color. If you saturate the color by 10%, you get **27.2209, 0.3906, 0.4947**, and if you desaturate by 10%, it is **27.8516, 0.3749, 0.4563**.

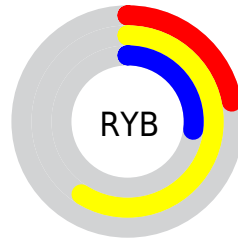
Distribution



Red (54%)

Green (59%)

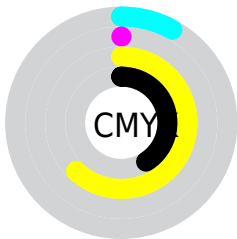
Blue (22%)



Red (22%)

Yellow (59%)

Blue (27%)

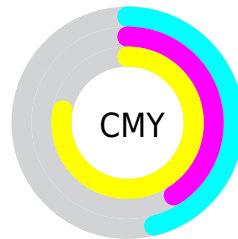


Cyan (8%)

Magenta (0%)

Yellow (62%)

Black (41%)



Cyan (46%)


Magenta (41%)


Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 27.5114, 0.3838, 0.4772 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 27.5114, 0.3838, 0.4772 by changing the saturation by 10% instead.


 27.5114, 0.3838,
0.4772


 27.5114, 0.3838,
0.4772


 290.1248, 0.3496,
0.3965


 17.9577, 0.3903,
0.4983


 55.7034, 0.3725,
0.4468


 10.9196, 0.3965,
0.5249


 75.1105, 0.3678,
0.4357

 6.0128, 0.4051,
0.5653

 98.5708, 0.3637,
0.4263

 2.8529, 0.3970,
0.6030

 126.4688, 0.3602,
0.4185

 1.0554, 0.3482,
0.6518

 159.1887, 0.3570,
0.4118

 0.0000, 0.0000,
0.0000

 197.1151, 0.3543,

0.4060

240.6323, 0.3518,
0.4009

■ 27.5114, 0.3838,
0.4772

■ 27.5114, 0.3838,
0.4772

■ 27.2209, 0.3906,
0.4947

■ 27.8516, 0.3749,
0.4563

■ 26.9722, 0.3949,
0.5083

■ 28.2413, 0.3643,
0.4330

■ 26.7619, 0.3968,
0.5175

■ 28.6849, 0.3526,
0.4083

■ 26.6113, 0.3972,
0.5229

■ 29.1854, 0.3402,
0.3830

■ 29.7454, 0.3276,
0.3579

■ 30.3674, 0.3152,
0.3337

■ 31.0539, 0.3032,
0.3108

■ 31.8071, 0.2918,
0.2894

■ 32.6291, 0.2811,
0.2696

Harmonies

Analogous

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



27.5114, 0.4467, 0.4374



27.5114, 0.3838, 0.4772



27.5114, 0.3062, 0.4696

Triad

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



27.5114, 0.3838, 0.4772



27.5114, 0.1726, 0.2459



27.5114, 0.3862, 0.2670

Complementary

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



27.5114, 0.3838, 0.4772



6.3924, 0.2075, 0.1408

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.



27.5114, 0.3015, 0.2270



27.5114, 0.3838, 0.4772



27.5114, 0.1872, 0.2120

Square

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



27.5114, 0.3838, 0.4772



27.5114, 0.1878, 0.3131



27.5114, 0.2307, 0.2072



27.5114, 0.4540, 0.3205

Rectangle

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



27.5114, 0.3838, 0.4772



27.5114, 0.2565, 0.4299



27.5114, 0.2307, 0.2072



27.5114, 0.3581, 0.2518

Sweetspot

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



27.5127, 0.3838, 0.4772



51.7535, 0.3369, 0.3763



10.8950, 0.4891, 0.3466



11.4147, 0.3402, 0.3829



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.



27.5127, 0.3838, 0.4772



47.8773, 0.3924, 0.4999



24.4176, 0.3340, 0.5058



6.7071, 0.3241, 0.3510



22.0798, 0.3973, 0.5227



0.2788, 0.4089, 0.5136

Inverse Universe

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



6.3924, 0.2075, 0.1408



7.4616, 0.1839, 0.1030



8.7285, 0.2658, 0.1663



5.6667, 0.3008, 0.3063



1.9526, 0.1561, 0.0634



0.0308, 0.1817, 0.0774

Previews

White Background



This preview shows how the Yxy color 27.5114, 0.3838, 0.4772 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 27.5114, 0.3838, 0.4772 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 27.5114, 0.3838, 0.4772

Background



This preview shows how black text looks on a background with the Yxy color 27.5114, 0.3838, 0.4772.



This preview shows how white text looks on a background with the Yxy color 27.5114, 0.3838, 0.4772.

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

27.5114, 0.3838, 0.4772

Protanopia

27.2917, 0.4157, 0.4573

Deuteranopia

27.2924, 0.4389, 0.4312



Tritanopia

27.6127, 0.3093, 0.3116

Trichromacy



Original Color

27.5114, 0.3838, 0.4772

Protanomaly

27.4226, 0.4029, 0.4651

Deuteranomaly

27.1625, 0.4186, 0.4469

Tritanomaly

27.1602, 0.3399, 0.3740

Monochromacy



Original Color

27.5114, 0.3838, 0.4772

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.4297, 0.3431, 0.3879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5114, 0.3838, 0.4772 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(138, 150, 57)` looks like.

```
.text, #text, p{  
    color:rgb(138, 150, 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(138, 150, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 150, 57) }
```

Border

The CSS property to change the border of an element to Yxy 27.5114, 0.3838, 0.4772 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(138, 150, 57) }
```

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

```
.border{ border-color:rgb(138, 150, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 150, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 150, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 150, 57);  
box-shadow:4px 4px 4px 4px rgb(138, 150,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5114, 0.3838, 0.4772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 150, 57) }
```

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

```
.background{ background-color: rgb(138,  
150, 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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