

Converting Colors

$Y_{xy}(29.9261, 0.3862, 0.4609)$

Have a look what the booklet for
Yxy(29.9261, 0.3862, 0.4609)
contains.

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Color

Yxy(30.0126, 0.3866, 0.4609)

Conversions

Conversions Part 1

Format	Color
Hex	969A44
RGB	150, 154, 68
RGB Percent	59%, 60%, 27%
CMY	0.4118, 0.3960, 0.7334
CMYK	0.03, 0.00, 0.56, 0.40
HSL	63°, 39%, 44%
HSV	63°, 56%, 60%
XYZ	25.1744, 30.0126, 9.9304
YIQ	143.0000, 25.2220, -27.5940

Conversions

Conversions Part 2

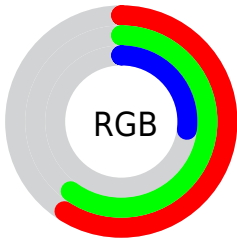
Format	Color
RYB	68, 154, 72
Decimal	9869892
CIELab	61.67, -13.66, 43.88
CIELCh	62, 45.957, 107.293
Yxy	30.0126, 0.3866, 0.4609
Android (android.graphics.Color)	4288059972 (0xFF969A44)
YUV	143.0000, -36.9750, 6.1390
Hunter-Lab	54.7838, -13.8468, 27.6014

Details

The Yxy color **30.0126, 0.3866, 0.4609** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.8419, 0.2117, 0.1570**, and the grayscale version is **27.6101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5655, 0.3743, 0.4343**, and **12.2793, 0.4031, 0.5013** is the 20% darker color. If you saturate the color by 10%, you get **29.7820, 0.3961, 0.4789**, and if you desaturate by 10%, it is **30.2958, 0.3752, 0.4398**.

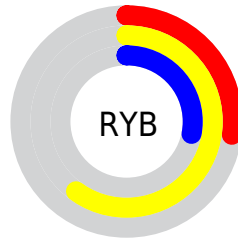
Distribution



Red (59%)

Green (60%)

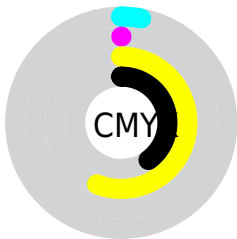
Blue (27%)



Red (27%)

Yellow (60%)

Blue (28%)

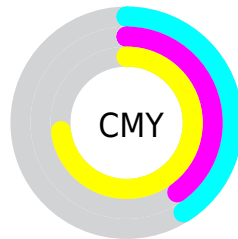


Cyan (3%)

Magenta (0%)

Yellow (56%)

Black (40%)



Cyan (41%)


Magenta (40%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0126, 0.3866, 0.4609 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 30.0126, 0.3866, 0.4609 by changing the saturation by 10% instead.


 30.0126, 0.3866,
0.4609


 30.0126, 0.3866,
0.4609


301.9632, 0.3503,
0.3903


 19.8482, 0.3943,
0.4790


 59.6821, 0.3741,
0.4346


 12.2847, 0.4027,
0.5020


 79.9559, 0.3692,
0.4248

 6.9379, 0.4110,
0.5316


 104.3684, 0.3649,
0.4167

 3.4233, 0.4220,
0.5780

 133.3038, 0.3612,
0.4098

 1.3565, 0.3975,
0.6025

 167.1466, 0.3580,
0.4039

 0.1843, 0.0000,
1.0000

206.2812, 0.3551,

 0.0000, 0.0000,

0.3987

0.0000

251.0919, 0.3526,
0.3943

■ 30.0126, 0.3866,
0.4609

■ 30.0126, 0.3866,
0.4609

■ 29.7820, 0.3961,
0.4789

■ 30.2958, 0.3752,
0.4398

■ 29.5959, 0.4034,
0.4932

■ 30.6309, 0.3623,
0.4166

■ 29.4511, 0.4082,
0.5034

■ 31.0226, 0.3486,
0.3921

■ 29.3412, 0.4106,
0.5095

■ 31.4738, 0.3346,
0.3673

■ 29.2997, 0.4113,
0.5116

■ 31.9872, 0.3207,
0.3429

■ 32.5655, 0.3072,
0.3194

■ 33.2110, 0.2944,
0.2972

■ 33.9262, 0.2824,
0.2765

■ 34.7130, 0.2712,
0.2575

Harmonies

Analogous

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



30.0126, 0.4404, 0.4238



30.0126, 0.3866, 0.4609



30.0126, 0.3165, 0.4582

Triad

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



30.0126, 0.3866, 0.4609



30.0126, 0.1843, 0.2600



30.0126, 0.3705, 0.2674

Complementary

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



30.0126, 0.3866, 0.4609



7.8419, 0.2117, 0.1570

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.



30.0126, 0.2944, 0.2321



30.0126, 0.3866, 0.4609



30.0126, 0.1945, 0.2244

Square

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



30.0126, 0.3866, 0.4609



30.0126, 0.2024, 0.3246



30.0126, 0.2320, 0.2165



30.0126, 0.4347, 0.3161

Rectangle

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



30.0126, 0.3866, 0.4609



30.0126, 0.2701, 0.4266



30.0126, 0.2320, 0.2165



30.0126, 0.3449, 0.2538

Sweetspot

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



30.0140, 0.3866, 0.4609



57.0396, 0.3367, 0.3710



11.7742, 0.4713, 0.3340



12.8753, 0.3393, 0.3756



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.0140, 0.3866, 0.4609



54.0035, 0.3982, 0.4829



26.7270, 0.3408, 0.4845



7.2082, 0.3253, 0.3510



23.8727, 0.4114, 0.5116



0.3608, 0.4152, 0.5085

Inverse Universe

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



7.8419, 0.2117, 0.1570



9.5990, 0.1878, 0.1178



10.0324, 0.2619, 0.1773



6.0394, 0.2995, 0.3061



1.9431, 0.1520, 0.0611



0.0323, 0.1618, 0.0665

Previews

White Background



This preview shows how the Yxy color 30.0126, 0.3866, 0.4609 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 30.0126, 0.3866, 0.4609 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 ✓ Pass

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

Yxy 30.0126, 0.3866, 0.4609

Background



This preview shows how black text looks on a background with the Yxy color 30.0126, 0.3866, 0.4609.



This preview shows how white text looks on a background with the Yxy color 30.0126, 0.3866, 0.4609.

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

30.0126, 0.3866, 0.4609

Protanopia

29.8876, 0.4090, 0.4486

Deuteranopia

29.9913, 0.4325, 0.4242



Tritanopia

30.0220, 0.3166, 0.3124

Trichromacy



Original Color

30.0126, 0.3866, 0.4609

Protanomaly

30.0120, 0.4009, 0.4527

Deuteranomaly

29.7706, 0.4163, 0.4364

Tritanomaly

29.7030, 0.3450, 0.3668

Monochromacy



Original Color

30.0126, 0.3866, 0.4609

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.2394, 0.3423, 0.3800

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0126, 0.3866, 0.4609 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(150, 154, 68)` looks like.

```
.text, #text, p{  
    color:rgb(150, 154, 68)  
}
```

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(150, 154, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 154, 68) }
```

Border

The CSS property to change the border of an element to Yxy 30.0126, 0.3866, 0.4609 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(150, 154, 68) }
```

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

```
.border{ border-color:rgb(150, 154, 68) }
```

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

Here you see how a box with a 4 pixel rgb(150, 154, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 154, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 154, 68);  
box-shadow:4px 4px 4px 4px rgb(150, 154,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0126, 0.3866, 0.4609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 154, 68) }
```

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

```
.background{ background-color: rgb(150,  
154, 68) }
```

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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