

Converting Colors

$Y_{xy}(29.9471, 0.3855, 0.4474)$

Have a look what the booklet for
Yxy(29.9471, 0.3855, 0.4474)
contains.

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Color

Yxy(30.0766, 0.3845, 0.4476)

Conversions

Conversions Part 1

Format	Color
Hex	99994C
RGB	153, 153, 76
RGB Percent	60%, 60%, 30%
CMY	0.3999, 0.4000, 0.7019
CMYK	0.00, 0.00, 0.50, 0.40
HSL	60°, 34%, 45%
HSV	60°, 50%, 60%
XYZ	25.8366, 30.0766, 11.2821
YIQ	144.2220, 24.7170, -23.9470

Conversions

Conversions Part 2

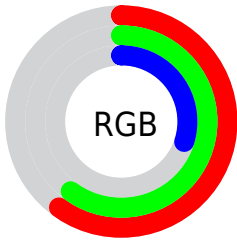
Format	Color
RYB	76, 153, 76
Decimal	10066252
CIELab	61.72, -11.11, 40.06
CIElCh	62, 41.574, 105.496
Yxy	30.0766, 0.3845, 0.4476
Android (android.graphics.Color)	4288256332 (0xFF99994C)
YUV	144.2220, -33.6334, 7.6983
Hunter-Lab	54.8421, -11.8809, 26.1924

Details

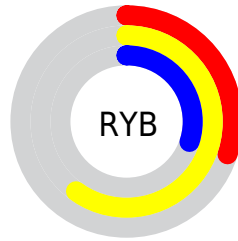
The Yxy color **30.0766, 0.3845, 0.4476** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.0118, 0.2193, 0.1746**, and the grayscale version is **28.1172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7133, 0.3719, 0.4235**, and **12.2912, 0.4023, 0.4845** is the 20% darker color. If you saturate the color by 10%, you get **29.8878, 0.3960, 0.4666**, and if you desaturate by 10%, it is **30.3188, 0.3714, 0.4259**.

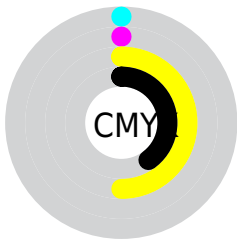
Distribution



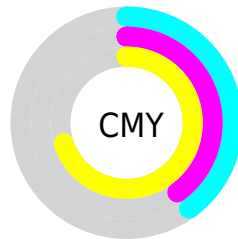
- Red (60%)
- Green (60%)
- Blue (30%)



- Red (30%)
- Yellow (60%)
- Blue (30%)



- Cyan (0%)
- Magenta (0%)
- Yellow (50%)
- Black (40%)




- Cyan (40%)
- Magenta (40%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0766, 0.3845, 0.4476 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 30.0766, 0.3845, 0.4476 by changing the saturation by 10% instead.


 30.0766, 0.3845,
0.4476


 30.0766, 0.3845,
0.4476


302.2613, 0.3485,
0.3841


 19.8967, 0.3927,
0.4641


 59.7833, 0.3718,
0.4238

 12.3200, 0.4021,
0.4852


 80.0789, 0.3669,
0.4151

 6.9620, 0.4123,
0.5124


 104.5152, 0.3627,
0.4078

 3.4383, 0.4346,
0.5654

 133.4767, 0.3590,
0.4016

 1.3646, 0.4150,
0.5850

 167.3476, 0.3559,
0.3963

 0.1904, 0.0000,
1.0000

206.5124, 0.3531,

 0.0000, 0.0000,

0.3917

0.0000

251.3555, 0.3507,
0.3877

■ 30.0766, 0.3845,
0.4476

■ 30.0766, 0.3845,
0.4476

■ 29.8878, 0.3960,
0.4666

■ 30.3188, 0.3714,
0.4259

■ 29.7446, 0.4054,
0.4821

■ 30.6135, 0.3572,
0.4025

■ 29.6443, 0.4123,
0.4936

■ 30.9652, 0.3424,
0.3781

■ 29.5819, 0.4168,
0.5009

■ 31.3766, 0.3276,
0.3537

■ 29.5461, 0.4194,
0.5052

■ 31.8503, 0.3132,
0.3298

■ 32.3888, 0.2994,
0.3069

■ 32.9944, 0.2864,
0.2855

■ 33.6693, 0.2743,
0.2655

■ 34.4156, 0.2632,
0.2472

Harmonies

Analogous

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



30.0766, 0.4315, 0.4141



30.0766, 0.3845, 0.4476



30.0766, 0.3211, 0.4461

Triad

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



30.0766, 0.3845, 0.4476



30.0766, 0.1952, 0.2698



30.0766, 0.3612, 0.2704

Complementary

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



30.0766, 0.3845, 0.4476



9.0118, 0.2193, 0.1746

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.



30.0766, 0.2925, 0.2386



30.0766, 0.3845, 0.4476



30.0766, 0.2030, 0.2348

Square

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



30.0766, 0.3845, 0.4476



30.0766, 0.2140, 0.3299



30.0766, 0.2364, 0.2255



30.0766, 0.4203, 0.3151

Rectangle

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



30.0766, 0.3845, 0.4476



30.0766, 0.2783, 0.4195



30.0766, 0.2364, 0.2255



30.0766, 0.3380, 0.2580

Sweetspot

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



30.0780, 0.3845, 0.4476



55.7908, 0.3350, 0.3658



12.4848, 0.4477, 0.3273



12.2882, 0.3378, 0.3705



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.



30.0780, 0.3845, 0.4476



53.4799, 0.3969, 0.4680



27.0126, 0.3433, 0.4666



7.2225, 0.3260, 0.3510



24.4100, 0.4194, 0.5052



0.3650, 0.4194, 0.5052

Inverse Universe

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



9.0118, 0.2193, 0.1746



11.4853, 0.1972, 0.1380



10.9969, 0.2633, 0.1908



6.0267, 0.2988, 0.3060



1.9021, 0.1500, 0.0600



0.0285, 0.1501, 0.0602

Previews

White Background



This preview shows how the Yxy color 30.0766, 0.3845, 0.4476 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.0766, 0.3845, 0.4476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

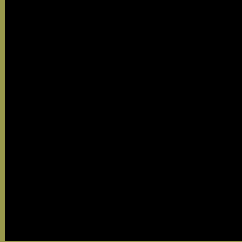
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0766, 0.3845, 0.4476

Background



This preview shows how black text looks on a background with the Yxy color 30.0766, 0.3845, 0.4476.



This preview shows how white text looks on a background with the Yxy color 30.0766, 0.3845, 0.4476.

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

30.0766, 0.3845, 0.4476

Protanopia

30.0022, 0.4018, 0.4378

Deuteranopia

29.9778, 0.4242, 0.4154



Tritanopia

29.9239, 0.3188, 0.3110

Trichromacy



Original Color

30.0766, 0.3845, 0.4476

Protanomaly

29.8978, 0.3965, 0.4411

Deuteranomaly

29.8785, 0.4095, 0.4268

Tritanomaly

29.6688, 0.3445, 0.3603

Monochromacy



Original Color

30.0766, 0.3845, 0.4476

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.4024, 0.3404, 0.3748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0766, 0.3845, 0.4476 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(153, 153, 76)` looks like.

```
.text, #text, p{  
    color:rgb(153, 153, 76)  
}
```

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(153, 153, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 153, 76) }
```

Border

The CSS property to change the border of an element to Yxy 30.0766, 0.3845, 0.4476 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(153, 153, 76) }
```

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

```
.border{ border-color:rgb(153, 153, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 153, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 153, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 153, 76);  
box-shadow:4px 4px 4px 4px rgb(153, 153,  
76) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 30.0766, 0.3845, 0.4476$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 153, 76) }
```

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

```
.background{ background-color: rgb(153,  
153, 76) }
```

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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