

Converting Colors

$Y_{xy}(33.3175, 0.3436, 0.4939)$

Have a look what the booklet for
Yxy(33.3175, 0.3436, 0.4939)
contains.

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Color

Yxy(33.4900, 0.3433, 0.4940)

Conversions

Conversions Part 1

Format	Color
Hex	77AB46
RGB	119, 171, 70
RGB Percent	47%, 67%, 27%
CMY	0.5334, 0.3294, 0.7255
CMYK	0.30, 0.00, 0.59, 0.33
HSL	91°, 42%, 47%
HSV	91°, 59%, 67%
XYZ	23.2735, 33.4900, 11.0300
YIQ	143.9380, 1.4290, -42.4350

Conversions

Conversions Part 2

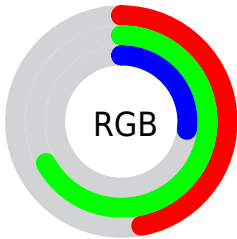
Format	Color
RYB	70, 171, 122
Decimal	7842630
CIELab	64.56, -34.41, 45.66
CIELCh	65, 57.174, 127.008
Yxy	33.4900, 0.3433, 0.4940
Android (android.graphics.Color)	4286032710 (0xFF77AB46)
YUV	143.9380, -36.4514, -21.8706
Hunter-Lab	57.8705, -29.4870, 29.2088

Details

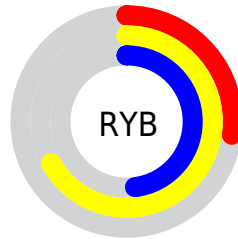
The Yxy color **33.4900, 0.3433, 0.4940** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.4591, 0.2552, 0.1664**, and the grayscale version is **28.0112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3420, 0.3405, 0.4593**, and **14.1525, 0.3428, 0.5501** is the 20% darker color. If you saturate the color by 10%, you get **32.7109, 0.3443, 0.5201**, and if you desaturate by 10%, it is **34.3912, 0.3404, 0.4654**.

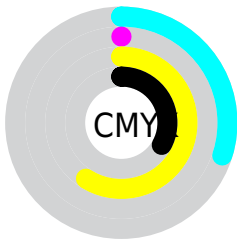
Distribution



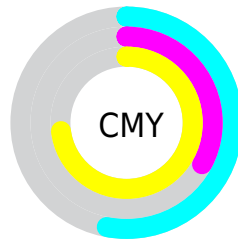
- Red (47%)
- Green (67%)
- Blue (27%)



- Red (27%)
- Yellow (67%)
- Blue (48%)



- Cyan (30%)
- Magenta (0%)
- Yellow (59%)
- Black (33%)



- Cyan (53%)
- Magenta (33%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4900, 0.3433, 0.4940 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 33.4900, 0.3433, 0.4940 by changing the saturation by 10% instead.

 33.4900, 0.3433,
0.4940


 33.4900, 0.3433,
0.4940


317.8520, 0.3320,
0.4033

 22.5021, 0.3438,
0.5186


 65.1398, 0.3407,
0.4594

 14.2263, 0.3425,
0.5507


 86.5704, 0.3392,
0.4468


 8.2782, 0.3368,
0.5934


 112.2508, 0.3377,
0.4364

 4.2735, 0.3299,
0.6701

 142.5653, 0.3364,
0.4277

 1.8277, 0.2745,
0.7255

 177.8982, 0.3351,
0.4202

 0.5043, 0.0000,
1.0000

218.6340, 0.3340,

 0.0000, 0.0000,

0.4138

0.0000

265.1572, 0.3329,
0.4082

■ 33.4900, 0.3433,
0.4940

■ 33.4900, 0.3433,
0.4940

■ 32.7109, 0.3443,
0.5201

■ 34.3912, 0.3404,
0.4654

■ 32.0427, 0.3433,
0.5422

■ 35.4165, 0.3361,
0.4357

■ 31.4789, 0.3401,
0.5592

■ 36.5731, 0.3308,
0.4062

■ 31.0056, 0.3354,
0.5712

■ 37.8662, 0.3248,
0.3779

■ 30.9647, 0.3350,
0.5722

■ 39.3008, 0.3185,
0.3513

■ 40.8816, 0.3121,
0.3268

■ 42.6132, 0.3059,
0.3046

■ 44.4998, 0.2998,
0.2845

■ 46.5454, 0.2941,
0.2665

Harmonies

Analogous

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



33.4900, 0.4219, 0.4718



33.4900, 0.3433, 0.4940



33.4900, 0.2610, 0.4496

Triad

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



33.4900, 0.3433, 0.4940



33.4900, 0.1680, 0.2158



33.4900, 0.4364, 0.2916

Complementary

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



33.4900, 0.3433, 0.4940



11.4591, 0.2552, 0.1664

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.



33.4900, 0.3494, 0.2407



33.4900, 0.3433, 0.4940



33.4900, 0.1997, 0.1979

Square

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



33.4900, 0.3433, 0.4940



33.4900, 0.1666, 0.2675



33.4900, 0.2620, 0.2076



33.4900, 0.4848, 0.3521

Rectangle

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



33.4900, 0.3433, 0.4940



33.4900, 0.2154, 0.3884



33.4900, 0.2620, 0.2076



33.4900, 0.4099, 0.2731

Sweetspot

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



33.4915, 0.3433, 0.4940



67.9934, 0.3243, 0.3758



22.6545, 0.4391, 0.4031



15.0092, 0.3261, 0.3837



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



33.4915, 0.3433, 0.4940



58.1750, 0.3442, 0.5276



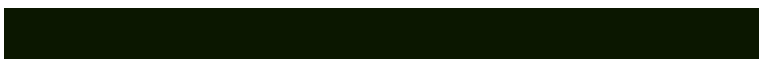
30.8729, 0.3040, 0.5157



9.1228, 0.3187, 0.3519



23.3714, 0.3357, 0.5717



0.6828, 0.3600, 0.5523

Inverse Universe

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



11.4591, 0.2552, 0.1664



15.0331, 0.2384, 0.1339



15.9787, 0.3191, 0.1936



7.9524, 0.3063, 0.3061



3.8149, 0.2068, 0.0913



0.1385, 0.2406, 0.1099

Previews

White Background



This preview shows how the Yxy color 33.4900, 0.3433, 0.4940 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 33.4900, 0.3433, 0.4940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

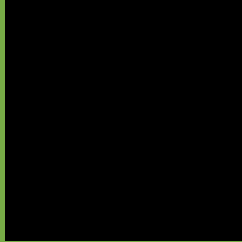
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4900, 0.3433, 0.4940

Background



This preview shows how black text looks on a background with the Yxy color 33.4900, 0.3433, 0.4940.



This preview shows how white text looks on a background with the Yxy color 33.4900, 0.3433, 0.4940.

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

33.4900, 0.3433, 0.4940

Protanopia

33.1690, 0.4129, 0.4516

Deuteranopia

32.9081, 0.4314, 0.4221



Tritanopia

33.2271, 0.2784, 0.3090

Trichromacy



Original Color

33.4900, 0.3433, 0.4940

Protanomaly

32.7650, 0.3866, 0.4677

Deuteranomaly

32.2707, 0.3972, 0.4475

Tritanomaly

32.9956, 0.3042, 0.3749

Monochromacy



Original Color

33.4900, 0.3433, 0.4940

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.5465, 0.3278, 0.3912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4900, 0.3433, 0.4940 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(119, 171, 70)` looks like.

```
.text, #text, p{  
    color:rgb(119, 171, 70)  
}
```

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(119, 171, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 171, 70) }
```

Border

The CSS property to change the border of an element to Yxy 33.4900, 0.3433, 0.4940 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(119, 171, 70) }
```

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

```
.border{ border-color:rgb(119, 171, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 171, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 171, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 171, 70);  
box-shadow:4px 4px 4px 4px rgb(119, 171,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4900, 0.3433, 0.4940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 171, 70) }
```

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

```
.background{ background-color: rgb(119,  
171, 70) }
```

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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