

Converting Colors

$Yxy(33.2396, 0.3413, 0.4736)$

Have a look what the booklet for
Yxy(33.2396, 0.3413, 0.4736)
contains.

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Color

Yxy(33.2551, 0.3418, 0.4739)

Conversions

Conversions Part 1

Format	Color
Hex	7CA951
RGB	124, 169, 81
RGB Percent	49%, 66%, 32%
CMY	0.5137, 0.3372, 0.6825
CMYK	0.27, 0.00, 0.52, 0.34
HSL	91°, 35%, 49%
HSV	91°, 52%, 66%
XYZ	23.9852, 33.2551, 12.9329
YIQ	145.5130, 1.4280, -36.9080

Conversions

Conversions Part 2

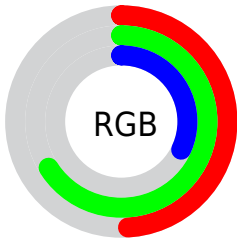
Format	Color
RYB	81, 169, 126
Decimal	8169809
CIELab	64.37, -30.44, 40.25
CIElCh	64, 50.468, 127.103
Yxy	33.2551, 0.3418, 0.4739
Android (android.graphics.Color)	4286359889 (0xFF7CA951)
YUV	145.5130, -31.8049, -18.8669
Hunter-Lab	57.6672, -26.6751, 27.0702

Details

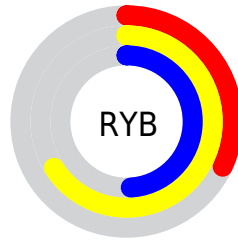
The Yxy color **33.2551, 0.3418, 0.4739** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **13.1781, 0.2635, 0.1857**, and the grayscale version is **28.6670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5610, 0.3392, 0.4432**, and **14.1992, 0.3434, 0.5253** is the 20% darker color. If you saturate the color by 10%, you get **32.4182, 0.3442, 0.5018**, and if you desaturate by 10%, it is **34.2144, 0.3378, 0.4445**.

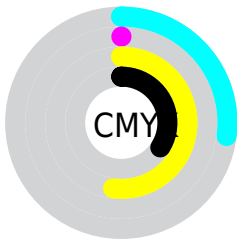
Distribution



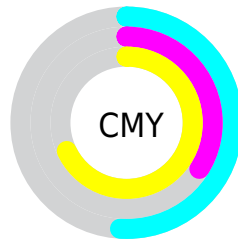
- Red (49%)
- Green (66%)
- Blue (32%)



- Red (32%)
- Yellow (66%)
- Blue (49%)



- Cyan (27%)
- Magenta (0%)
- Yellow (52%)
- Black (34%)





- Cyan (51%)
- Magenta (34%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2551, 0.3418, 0.4739 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 33.2551, 0.3418, 0.4739 by changing the saturation by 10% instead.


 33.2551, 0.3418,
0.4739

 33.2551, 0.3418,
0.4739


316.7977, 0.3300,
0.3942

 22.3219, 0.3431,
0.4958


 64.7736, 0.3385,
0.4433

 14.0936, 0.3434,
0.5248


 86.1277, 0.3370,
0.4323


 8.1858, 0.3409,
0.5643


 111.7243, 0.3355,
0.4232

 4.2141, 0.3415,
0.6398

 141.9477, 0.3342,
0.4155

 1.7940, 0.2999,
0.7001

 177.1824, 0.3330,
0.4090

 0.4834, 0.0000,
1.0000

217.8126, 0.3319,

 0.0000, 0.0000,

0.4034

0.0000

264.2229, 0.3309,
0.3985

■ 33.2551, 0.3418,
0.4739

■ 33.2551, 0.3418,
0.4739

■ 32.4182, 0.3442,
0.5018

■ 34.2144, 0.3378,
0.4445

■ 31.6930, 0.3447,
0.5268

■ 35.2974, 0.3327,
0.4149

■ 31.0742, 0.3431,
0.5474

■ 36.5108, 0.3268,
0.3862

■ 30.5537, 0.3394,
0.5627

■ 37.8596, 0.3205,
0.3591

■ 30.1991, 0.3356,
0.5718

■ 39.3482, 0.3141,
0.3340

■ 40.9811, 0.3077,
0.3111

■ 42.7625, 0.3015,
0.2903

■ 44.6963, 0.2957,
0.2718

■ 46.7864, 0.2901,
0.2552

Harmonies

Analogous

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



33.2551, 0.4122, 0.4580



33.2551, 0.3418, 0.4739



33.2551, 0.2676, 0.4338

Triad

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



33.2551, 0.3418, 0.4739



33.2551, 0.1817, 0.2277



33.2551, 0.4225, 0.2964

Complementary

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



33.2551, 0.3418, 0.4739



13.1781, 0.2635, 0.1857

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.



33.2551, 0.3461, 0.2495



33.2551, 0.3418, 0.4739



33.2551, 0.2111, 0.2105

Square

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



33.2551, 0.3418, 0.4739



33.2551, 0.1807, 0.2753



33.2551, 0.2681, 0.2191



33.2551, 0.4656, 0.3522

Rectangle

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



33.2551, 0.3418, 0.4739



33.2551, 0.2261, 0.3813



33.2551, 0.2681, 0.2191



33.2551, 0.3992, 0.2794

Sweetspot

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



33.2566, 0.3418, 0.4739



66.7576, 0.3232, 0.3702



23.6929, 0.4204, 0.3956



14.4474, 0.3244, 0.3756



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.2566, 0.3418, 0.4739



57.7758, 0.3445, 0.5072



30.7189, 0.3051, 0.4916



8.5810, 0.3187, 0.3518



22.5379, 0.3363, 0.5712



0.5789, 0.3630, 0.5500

Inverse Universe

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



13.1781, 0.2635, 0.1857



17.6881, 0.2483, 0.1531



17.1805, 0.3185, 0.2067



7.4819, 0.3063, 0.3062



3.6549, 0.2062, 0.0910



0.1192, 0.2435, 0.1115

Previews

White Background



This preview shows how the Yxy color 33.2551, 0.3418, 0.4739 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 33.2551, 0.3418, 0.4739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

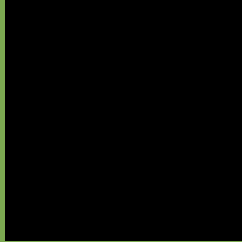
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2551, 0.3418, 0.4739

Background



This preview shows how black text looks on a background with the Yxy color 33.2551, 0.3418, 0.4739.



This preview shows how white text looks on a background with the Yxy color 33.2551, 0.3418, 0.4739.

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

33.2551, 0.3418, 0.4739

Protanopia

33.0834, 0.4025, 0.4403

Deuteranopia

32.7988, 0.4205, 0.4117



Tritanopia

33.0932, 0.2817, 0.3090

Trichromacy



Original Color

33.2551, 0.3418, 0.4739

Protanomaly

33.0084, 0.3798, 0.4536

Deuteranomaly

32.5240, 0.3902, 0.4344

Tritanomaly

32.9640, 0.3044, 0.3679

Monochromacy



Original Color

33.2551, 0.3418, 0.4739

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.9196, 0.3263, 0.3821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2551, 0.3418, 0.4739 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(124, 169, 81)` looks like.

```
.text, #text, p{  
    color:rgb(124, 169, 81)  
}
```

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(124, 169, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 169, 81) }
```

Border

The CSS property to change the border of an element to Yxy 33.2551, 0.3418, 0.4739 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(124, 169, 81) }
```

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

```
.border{ border-color:rgb(124, 169, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 169, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 169, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 169, 81);  
box-shadow:4px 4px 4px 4px rgb(124, 169,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2551, 0.3418, 0.4739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 169, 81) }
```

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

```
.background{ background-color: rgb(124,  
169, 81) }
```

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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