

Converting Colors

$Yxy(33.3337, 0.3692, 0.4565)$

Have a look what the booklet for
Yxy(33.3337, 0.3692, 0.4565)
contains.

Yxy(33.4409, 0.3683, 0.4566)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.4409, 0.3683, 0.4566)

Conversions

Conversions Part 1

Format	Color
Hex	94A451
RGB	148, 164, 81
RGB Percent	58%, 64%, 32%
CMY	0.4196, 0.3568, 0.6822
CMYK	0.10, 0.00, 0.51, 0.36
HSL	72°, 34%, 48%
HSV	72°, 51%, 64%
XYZ	26.9739, 33.4409, 12.8241
YIQ	149.7540, 17.1070, -29.2050

Conversions

Conversions Part 2

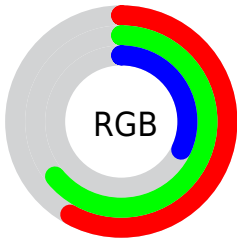
Format	Color
RYB	81, 164, 97
Decimal	9741393
CIELab	64.52, -18.48, 40.79
CIELCh	65, 44.775, 114.370
Yxy	33.4409, 0.3683, 0.4566
Android (android.graphics.Color)	4287931473 (0xFF94A451)
YUV	149.7540, -33.8957, -1.5383
Hunter-Lab	57.8281, -17.9379, 27.3313

Details

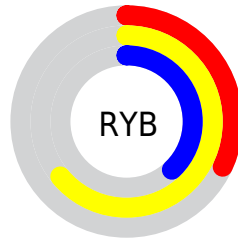
The Yxy color **33.4409, 0.3683, 0.4566** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.1143, 0.2344, 0.1787**, and the grayscale version is **30.5322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0255, 0.3592, 0.4316**, and **14.1202, 0.3798, 0.4983** is the 20% darker color. If you saturate the color by 10%, you get **32.9342, 0.3763, 0.4791**, and if you desaturate by 10%, it is **34.0181, 0.3586, 0.4319**.

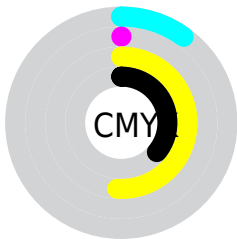
Distribution



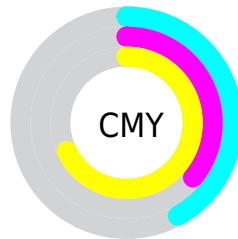
- Red (58%)
- Green (64%)
- Blue (32%)



- Red (32%)
- Yellow (64%)
- Blue (38%)



- Cyan (10%)
- Magenta (0%)
- Yellow (51%)
- Black (36%)



- Cyan (42%)
- Magenta (36%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4409, 0.3683, 0.4566 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 33.4409, 0.3683, 0.4566 by changing the saturation by 10% instead.


 33.4409, 0.3683,
0.4566


 33.4409, 0.3683,
0.4566


317.6318, 0.3418,
0.3882


 22.4644, 0.3737,
0.4746


 65.0633, 0.3594,
0.4309

 14.1985, 0.3796,
0.4979


 86.4780, 0.3558,
0.4215

 8.2589, 0.3850,
0.5285

 112.1408, 0.3526,
0.4136

 4.2610, 0.3988,
0.5869

 142.4363, 0.3499,
0.4069

 1.8206, 0.3764,
0.6236

 177.7487, 0.3475,
0.4012

 0.5000, 0.0462,
0.9538

218.4625, 0.3454,

 0.0000, 0.0000,

0.3963

0.0000

264.9621, 0.3435,
0.3920

■ 33.4409, 0.3683,
0.4566

■ 33.4409, 0.3683,
0.4566

■ 32.9342, 0.3763,
0.4791

■ 34.0181, 0.3586,
0.4319

■ 32.4890, 0.3822,
0.4984

■ 34.6653, 0.3479,
0.4061

■ 32.1020, 0.3857,
0.5138

■ 35.3877, 0.3365,
0.3801

■ 31.7671, 0.3867,
0.5247

■ 36.1885, 0.3248,
0.3547

■ 31.4870, 0.3859,
0.5318

■ 37.0710, 0.3134,
0.3304

■ 38.0381, 0.3023,
0.3076

■ 39.0927, 0.2918,
0.2864

■ 40.2374, 0.2820,
0.2670

■ 41.4747, 0.2728,
0.2493

Harmonies

Analogous

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



33.4409, 0.4240, 0.4296



33.4409, 0.3683, 0.4566



33.4409, 0.3010, 0.4415

Triad

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



33.4409, 0.3683, 0.4566



33.4409, 0.1908, 0.2537



33.4409, 0.3835, 0.2808

Complementary

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



33.4409, 0.3683, 0.4566



11.1143, 0.2344, 0.1787

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.



33.4409, 0.3121, 0.2435



33.4409, 0.3683, 0.4566



33.4409, 0.2068, 0.2260

Square

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



33.4409, 0.3683, 0.4566



33.4409, 0.2018, 0.3089



33.4409, 0.2485, 0.2238



33.4409, 0.4369, 0.3294

Rectangle

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



33.4409, 0.3683, 0.4566



33.4409, 0.2587, 0.4053



33.4409, 0.2485, 0.2238



33.4409, 0.3603, 0.2668

Sweetspot

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



33.4424, 0.3683, 0.4566



64.9848, 0.3303, 0.3665



16.8983, 0.4390, 0.3532



14.1440, 0.3326, 0.3716



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



33.4424, 0.3683, 0.4566



59.6449, 0.3774, 0.4824



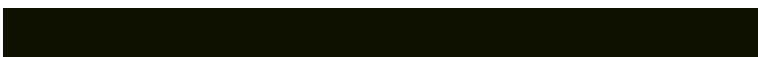
30.2918, 0.3276, 0.4756



8.1679, 0.3233, 0.3514



24.1611, 0.3862, 0.5315



0.5244, 0.3990, 0.5214

Inverse Universe

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



11.1143, 0.2344, 0.1787



14.3696, 0.2129, 0.1418



13.9509, 0.2837, 0.1971



6.9227, 0.3015, 0.3060



2.3026, 0.1605, 0.0658



0.0654, 0.1920, 0.0831

Previews

White Background



This preview shows how the Yxy color 33.4409, 0.3683, 0.4566 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 33.4409, 0.3683, 0.4566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

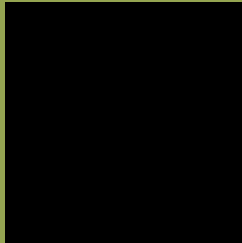
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4409, 0.3683, 0.4566

Background



This preview shows how black text looks on a background with the Yxy color 33.4409, 0.3683, 0.4566.



This preview shows how white text looks on a background with the Yxy color 33.4409, 0.3683, 0.4566.

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

33.4409, 0.3683, 0.4566

Protanopia

33.2257, 0.4020, 0.4374

Deuteranopia

33.2271, 0.4217, 0.4137



Tritanopia

33.5018, 0.3048, 0.3114

Trichromacy



Original Color

33.4409, 0.3683, 0.4566

Protanomaly

33.2680, 0.3893, 0.4442

Deuteranomaly

32.8653, 0.4015, 0.4279

Tritanomaly

33.1013, 0.3289, 0.3630

Monochromacy



Original Color

33.4409, 0.3683, 0.4566

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.3129, 0.3347, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4409, 0.3683, 0.4566 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(148, 164, 81)` looks like.

```
.text, #text, p{  
    color:rgb(148, 164, 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(148, 164, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 164, 81) }
```

Border

The CSS property to change the border of an element to Yxy 33.4409, 0.3683, 0.4566 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(148, 164, 81) }
```

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

```
.border{ border-color:rgb(148, 164, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 164, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 164, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 164, 81);  
box-shadow:4px 4px 4px 4px rgb(148, 164,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4409, 0.3683, 0.4566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 164, 81) }
```

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

```
.background{ background-color: rgb(148,  
164, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor