

Converting Colors

$Yxy(33.2134, 0.3836, 0.4179)$

Have a look what the booklet for
Yxy(33.2134, 0.3836, 0.4179)
contains.

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Color

Yxy(33.0565, 0.3830, 0.4170)

Conversions

Conversions Part 1

Format	Color
Hex	A99C60
RGB	169, 156, 96
RGB Percent	66%, 61%, 38%
CMY	0.3373, 0.3882, 0.6234
CMYK	0.00, 0.08, 0.43, 0.34
HSL	49°, 30%, 52%
HSV	49°, 43%, 66%
XYZ	30.3612, 33.0565, 15.8544
YIQ	153.0470, 27.0080, -15.9040

Conversions

Conversions Part 2

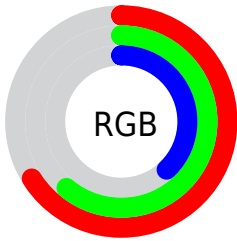
Format	Color
RYB	112, 169, 96
Decimal	11115616
CIELab	64.21, -3.92, 33.07
CIElCh	64, 33.301, 96.769
Yxy	33.0565, 0.3830, 0.4170
Android (android.graphics.Color)	4289305696 (0xFFA99C60)
YUV	153.0470, -28.1242, 13.9908
Hunter-Lab	57.4948, -6.3554, 23.8969

Details

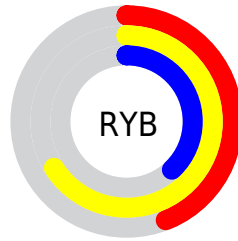
The Yxy color **33.0565, 0.3830, 0.4170** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.2932, 0.2375, 0.2217**, and the grayscale version is **31.9940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2073, 0.3700, 0.4002**, and **13.9614, 0.4025, 0.4441** is the 20% darker color. If you saturate the color by 10%, you get **31.7826, 0.3997, 0.4356**, and if you desaturate by 10%, it is **34.4254, 0.3659, 0.3969**.

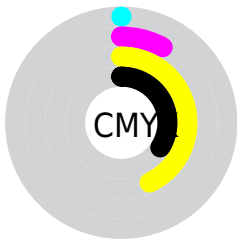
Distribution



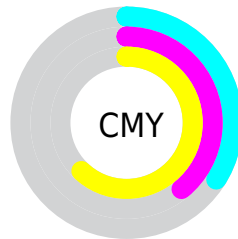
- Red (66%)
- Green (61%)
- Blue (38%)



- Red (44%)
- Yellow (66%)
- Blue (38%)



- Cyan (0%)
- Magenta (8%)
- Yellow (43%)
- Black (34%)





- Cyan (34%)
- Magenta (39%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0565, 0.3830, 0.4170 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 33.0565, 0.3830, 0.4170 by changing the saturation by 10% instead.


 33.0565, 0.3830,
0.4170


 33.0565, 0.3830,
0.4170


315.9042, 0.3469,
0.3709

 22.1697, 0.3919,
0.4288


 64.4637, 0.3699,
0.3999

 13.9817, 0.4031,
0.4439


 85.7530, 0.3649,
0.3936

 8.1079, 0.4172,
0.4637

 111.2785, 0.3607,
0.3883

 4.1641, 0.4365,
0.4919

 141.4247, 0.3572,
0.3838

 1.7658, 0.4644,
0.5356

176.5760, 0.3541,
0.3799

 0.4657, 0.4268,
0.5732

217.1168, 0.3514,

 0.0000, 0.0000,

0.3765

0.0000

263.4314, 0.3490,
0.3735

■ 33.0565, 0.3830,
0.4170

■ 33.0565, 0.3830,
0.4170

■ 31.7826, 0.3997,
0.4356

■ 34.4254, 0.3659,
0.3969

■ 30.5945, 0.4154,
0.4516

■ 35.8887, 0.3490,
0.3761

■ 29.4889, 0.4293,
0.4642

■ 37.4520, 0.3327,
0.3554

■ 28.4599, 0.4408,
0.4726

■ 39.1186, 0.3174,
0.3352

■ 27.5007, 0.4495,
0.4765

■ 40.8919, 0.3031,
0.3160

■ 26.8754, 0.4544,
0.4774

■ 42.7752, 0.2900,
0.2980

■ 44.7713, 0.2781,
0.2812

■ 46.8834, 0.2673,
0.2658

■ 49.1139, 0.2576,
0.2517

Harmonies

Analogous

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



33.0565, 0.4125, 0.3880



33.0565, 0.3830, 0.4170



33.0565, 0.3359, 0.4223

Triad

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



33.0565, 0.3830, 0.4170



33.0565, 0.2211, 0.2961



33.0565, 0.3354, 0.2736

Complementary

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



33.0565, 0.3830, 0.4170



16.2932, 0.2375, 0.2217

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.



33.0565, 0.2831, 0.2517



33.0565, 0.3830, 0.4170



33.0565, 0.2210, 0.2611

Square

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



33.0565, 0.3830, 0.4170



33.0565, 0.2435, 0.3464



33.0565, 0.2425, 0.2466



33.0565, 0.3848, 0.3078

Rectangle

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



33.0565, 0.3830, 0.4170



33.0565, 0.3014, 0.4080



33.0565, 0.2425, 0.2466



33.0565, 0.3174, 0.2647

Sweetspot

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



33.0580, 0.3830, 0.4170



67.0673, 0.3328, 0.3555



17.9186, 0.4018, 0.3086



14.4844, 0.3362, 0.3599



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.



33.0580, 0.3830, 0.4170



56.9830, 0.3993, 0.4351



35.3171, 0.3523, 0.4422



8.5434, 0.3266, 0.3474



20.1036, 0.4540, 0.4777



0.5468, 0.4408, 0.4882

Inverse Universe

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



16.2932, 0.2375, 0.2217



22.9577, 0.2186, 0.1924



15.1676, 0.2578, 0.2061



7.5084, 0.2986, 0.3099



2.8878, 0.1551, 0.0784



0.1307, 0.1698, 0.1311

Previews

White Background



This preview shows how the Yxy color 33.0565, 0.3830, 0.4170 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 33.0565, 0.3830, 0.4170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

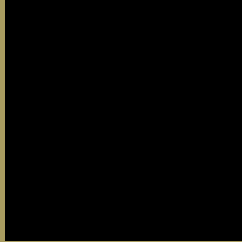
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0565, 0.3830, 0.4170

Background



This preview shows how black text looks on a background with the Yxy color 33.0565, 0.3830, 0.4170.



This preview shows how white text looks on a background with the Yxy color 33.0565, 0.3830, 0.4170.

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

33.0565, 0.3830, 0.4170

Protanopia

33.1675, 0.3841, 0.4167

Deuteranopia

33.0681, 0.4063, 0.3988



Tritanopia

32.9480, 0.3300, 0.3121

Trichromacy



Original Color

33.0565, 0.3830, 0.4170

Protanomaly

33.1675, 0.3841, 0.4167

Deuteranomaly

33.1433, 0.3977, 0.4063

Tritanomaly

32.8236, 0.3494, 0.3495

Monochromacy



Original Color

33.0565, 0.3830, 0.4170

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.1481, 0.3387, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0565, 0.3830, 0.4170 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(169, 156, 96)` looks like.

```
.text, #text, p{  
    color:rgb(169, 156, 96)  
}
```

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(169, 156, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 156, 96) }
```

Border

The CSS property to change the border of an element to Yxy 33.0565, 0.3830, 0.4170 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(169, 156, 96) }
```

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

```
.border{ border-color:rgb(169, 156, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 156, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 156, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 156, 96);  
box-shadow:4px 4px 4px 4px rgb(169, 156,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0565, 0.3830, 0.4170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 156, 96) }
```

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

```
.background{ background-color: rgb(169,  
156, 96) }
```

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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