

Converting Colors

$Yxy(33.7291, 0.3857, 0.4172)$

Have a look what the booklet for
Yxy(33.7291, 0.3857, 0.4172)
contains.

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Color

Yxy(33.7291, 0.3857, 0.4172)

Conversions

Conversions Part 1

Format	Color
Hex	AC9D60
RGB	172, 157, 96
RGB Percent	67%, 62%, 38%
CMY	0.3255, 0.3843, 0.6235
CMYK	0.00, 0.09, 0.44, 0.33
HSL	48°, 31%, 53%
HSV	48°, 44%, 67%
XYZ	31.1824, 33.7291, 15.9348
YIQ	154.5310, 28.5210, -15.7910

Conversions

Conversions Part 2

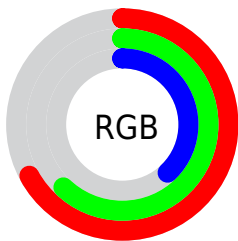
Format	Color
RYB	115, 172, 96
Decimal	11312480
CIELab	64.75, -3.20, 33.82
CIELCh	65, 33.974, 95.404
Yxy	33.7291, 0.3857, 0.4172
Android (android.graphics.Color)	4289502560 (0xFFAC9D60)
YUV	154.5310, -28.8558, 15.3203
Hunter-Lab	58.0768, -5.7945, 24.3860

Details

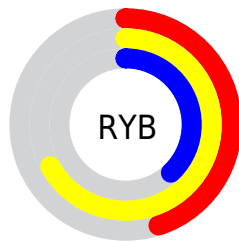
The Yxy color **33.7291, 0.3857, 0.4172** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.8369, 0.2359, 0.2212**, and the grayscale version is **32.6819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3847, 0.3722, 0.3993**, and **14.3730, 0.4060, 0.4435** is the 20% darker color. If you saturate the color by 10%, you get **32.3147, 0.4028, 0.4352**, and if you desaturate by 10%, it is **35.2479, 0.3682, 0.3976**.

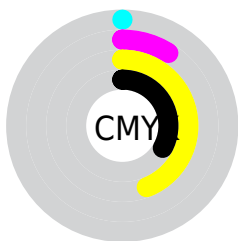
Distribution



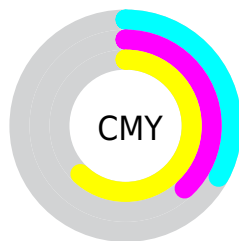
- Red (67%)
- Green (62%)
- Blue (38%)



- Red (45%)
- Yellow (67%)
- Blue (38%)



- Cyan (0%)
- Magenta (9%)
- Yellow (44%)
- Black (33%)





- Cyan (33%)
- Magenta (38%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7291, 0.3857, 0.4172 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 33.7291, 0.3857, 0.4172 by changing the saturation by 10% instead.


 33.7291, 0.3857,
0.4172


 33.7291, 0.3857,
0.4172


318.9224, 0.3483,
0.3713


 22.6856, 0.3949,
0.4288


 65.5122, 0.3721,
0.4003


 14.3615, 0.4064,
0.4437


 87.0205, 0.3670,
0.3940

 8.3725, 0.4209,
0.4628


 112.7859, 0.3627,
0.3887

 4.3342, 0.4405,
0.4897

 143.1927, 0.3590,
0.3842

 1.8622, 0.4690,
0.5310

178.6254, 0.3558,
0.3803

 0.5255, 0.4450,
0.5550

219.4683, 0.3530,

 0.0000, 0.0000,

0.3769

0.0000

266.1059, 0.3505,
0.3739

■ 33.7291, 0.3857,
0.4172

■ 33.7291, 0.3857,
0.4172

■ 32.3147, 0.4028,
0.4352

■ 35.2479, 0.3682,
0.3976

■ 30.9951, 0.4190,
0.4507

■ 36.8708, 0.3510,
0.3772

■ 29.7666, 0.4333,
0.4626

■ 38.6035, 0.3344,
0.3568

■ 28.6230, 0.4452,
0.4702

■ 40.4497, 0.3189,
0.3370

■ 27.5569, 0.4543,
0.4733

■ 42.4130, 0.3045,
0.3181

■ 26.9627, 0.4589,
0.4739

■ 44.4968, 0.2913,
0.3004

■ 46.7044, 0.2793,
0.2839

■ 49.0389, 0.2685,
0.2688

■ 51.5031, 0.2587,
0.2549

Harmonies

Analogous

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



33.7291, 0.4145, 0.3870



33.7291, 0.3857, 0.4172



33.7291, 0.3385, 0.4241

Triad

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



33.7291, 0.3857, 0.4172



33.7291, 0.2206, 0.2976



33.7291, 0.3331, 0.2716

Complementary

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



33.7291, 0.3857, 0.4172



16.8369, 0.2359, 0.2212

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.



33.7291, 0.2804, 0.2502



33.7291, 0.3857, 0.4172



33.7291, 0.2194, 0.2614

Square

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



33.7291, 0.3857, 0.4172



33.7291, 0.2441, 0.3490



33.7291, 0.2402, 0.2458



33.7291, 0.3838, 0.3057

Rectangle

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



33.7291, 0.3857, 0.4172



33.7291, 0.3036, 0.4106



33.7291, 0.2402, 0.2458



33.7291, 0.3149, 0.2628

Sweetspot

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



33.7307, 0.3857, 0.4172



70.3380, 0.3329, 0.3549



18.2907, 0.4031, 0.3062



15.1346, 0.3364, 0.3593



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.



33.7307, 0.3857, 0.4172



58.6784, 0.4025, 0.4348



36.7601, 0.3544, 0.4446



9.0575, 0.3267, 0.3471



20.1413, 0.4584, 0.4742



0.6279, 0.4446, 0.4852

Inverse Universe

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



16.8369, 0.2359, 0.2212



24.1211, 0.2172, 0.1924



15.2543, 0.2547, 0.2022



8.0037, 0.2986, 0.3103



3.1299, 0.1560, 0.0814



0.1600, 0.1706, 0.1343

Previews

White Background



This preview shows how the Yxy color 33.7291, 0.3857, 0.4172 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 33.7291, 0.3857, 0.4172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

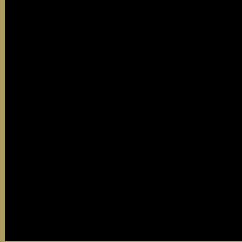
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7291, 0.3857, 0.4172

Background



This preview shows how black text looks on a background with the Yxy color 33.7291, 0.3857, 0.4172.



This preview shows how white text looks on a background with the Yxy color 33.7291, 0.3857, 0.4172.

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

33.7291, 0.3857, 0.4172

Protanopia

33.7291, 0.3857, 0.4172

Deuteranopia

33.6417, 0.4078, 0.3994



Tritanopia

33.6518, 0.3320, 0.3123

Trichromacy



Original Color

33.7291, 0.3857, 0.4172

Protanomaly

33.7291, 0.3857, 0.4172

Deuteranomaly

33.7128, 0.3992, 0.4068

Tritanomaly

33.4927, 0.3523, 0.3507

Monochromacy



Original Color

33.7291, 0.3857, 0.4172

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.0752, 0.3384, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7291, 0.3857, 0.4172 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(172, 157, 96)` looks like.

```
.text, #text, p{  
    color:rgb(172, 157, 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(172, 157, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 157, 96) }
```

Border

The CSS property to change the border of an element to Yxy 33.7291, 0.3857, 0.4172 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(172, 157, 96) }
```

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

```
.border{ border-color:rgb(172, 157, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 157, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 157, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 157, 96);  
box-shadow:4px 4px 4px 4px rgb(172, 157,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7291, 0.3857, 0.4172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 157, 96) }
```

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

```
.background{ background-color: rgb(172,  
157, 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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