

Converting Colors

$Yxy(37.6683, 0.3517, 0.4168)$

Have a look what the booklet for
Yxy(37.6683, 0.3517, 0.4168)
contains.

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Color

Yxy(37.6666, 0.3517, 0.4168)

Conversions

Conversions Part 1

Format	Color
Hex	9FAB70
RGB	159, 171, 112
RGB Percent	62%, 67%, 44%
CMY	0.3765, 0.3294, 0.5608
CMYK	0.07, 0.00, 0.35, 0.33
HSL	72°, 26%, 55%
HSV	72°, 35%, 67%
XYZ	31.7835, 37.6666, 20.9209
YIQ	160.6860, 11.7870, -20.8930

Conversions

Conversions Part 2

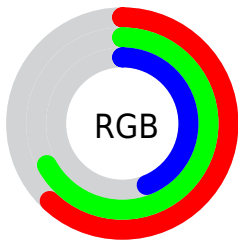
Format	Color
RYB	112, 171, 124
Decimal	10464112
CIELab	67.77, -14.05, 29.03
CIELCh	68, 32.250, 115.820
Yxy	37.6666, 0.3517, 0.4168
Android (android.graphics.Color)	4288654192 (0xFF9FAB70)
YUV	160.6860, -24.0022, -1.4786
Hunter-Lab	61.3731, -14.9627, 22.7504

Details

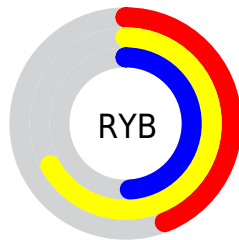
The Yxy color **37.6666, 0.3517, 0.4168** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.8123, 0.2639, 0.2314**, and the grayscale version is **35.5962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3692, 0.3450, 0.3995**, and **16.6783, 0.3621, 0.4454** is the 20% darker color. If you saturate the color by 10%, you get **36.9718, 0.3619, 0.4425**, and if you desaturate by 10%, it is **38.4471, 0.3406, 0.3906**.

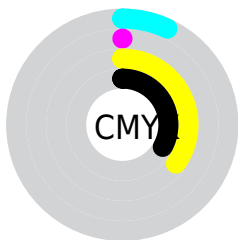
Distribution



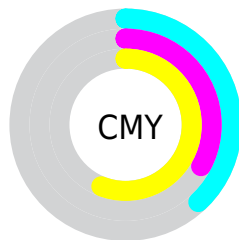
- Red (62%)
- Green (67%)
- Blue (44%)



- Red (44%)
- Yellow (67%)
- Blue (49%)



- Cyan (7%)
- Magenta (0%)
- Yellow (35%)
- Black (33%)




- Cyan (38%)
- Magenta (33%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6666, 0.3517, 0.4168 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 37.6666, 0.3517, 0.4168 by changing the saturation by 10% instead.


 37.6666, 0.3517,
0.4168


 37.6666, 0.3517,
0.4168


336.1876, 0.3326,
0.3704


 25.7240, 0.3561,
0.4291


 71.5968, 0.3449,
0.3994


 16.6173, 0.3615,
0.4452


 94.3533, 0.3423,
0.3930

 9.9620, 0.3681,
0.4671


 121.4832, 0.3401,
0.3877

 5.3738, 0.3754,
0.4982

 153.3708, 0.3382,
0.3831

 2.4682, 0.4013,
0.5725

190.4007, 0.3365,
0.3793

 0.8606, 0.3557,
0.6443

232.9572, 0.3351,

 0.0000, 0.0000,

0.3759

0.0000

281.4247, 0.3338,
0.3730

■ 37.6666, 0.3517,
0.4168

■ 37.6666, 0.3517,
0.4168

■ 36.9718, 0.3619,
0.4425

■ 38.4471, 0.3406,
0.3906

■ 36.3536, 0.3708,
0.4667

■ 39.3122, 0.3292,
0.3647

■ 35.8089, 0.3778,
0.4883


■ 40.2671, 0.3178,
0.3398


■ 35.3327, 0.3826,
0.5063

■ 41.3152, 0.3067,
0.3163

■ 34.9190, 0.3848,
0.5201


■ 42.4597, 0.2960,
0.2944


 34.5607, 0.3846,
0.5293

 43.7037, 0.2860,
0.2743

 34.3784, 0.3839,
0.5334

 45.0500, 0.2767,
0.2560

 46.5014, 0.2681,
0.2394

 47.3387, 0.2668,
0.2341

Harmonies

Analogous

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



37.6666, 0.3907, 0.4031



37.6666, 0.3517, 0.4168



37.6666, 0.3040, 0.4027

Triad

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



37.6666, 0.3517, 0.4168



37.6666, 0.2247, 0.2759



37.6666, 0.3643, 0.2967

Complementary

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



37.6666, 0.3517, 0.4168



18.8123, 0.2639, 0.2314

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.



37.6666, 0.3156, 0.2682



37.6666, 0.3517, 0.4168



37.6666, 0.2376, 0.2550

Square

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



37.6666, 0.3517, 0.4168



37.6666, 0.2326, 0.3147



37.6666, 0.2697, 0.2530



37.6666, 0.3996, 0.3334

Rectangle

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



37.6666, 0.3517, 0.4168



37.6666, 0.2739, 0.3782



37.6666, 0.2697, 0.2530



37.6666, 0.3487, 0.2860

Sweetspot

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



37.6683, 0.3517, 0.4168



71.1201, 0.3242, 0.3538



24.1920, 0.3861, 0.3472



15.8087, 0.3258, 0.3572



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.



37.6683, 0.3517, 0.4168



66.5411, 0.3592, 0.4354



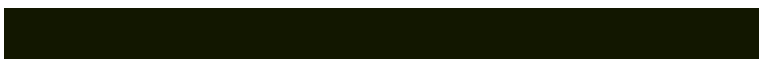
35.0202, 0.3236, 0.4253



9.2466, 0.3232, 0.3516



25.9362, 0.3843, 0.5331



0.7421, 0.3956, 0.5241

Inverse Universe

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



18.8123, 0.2639, 0.2314



27.8980, 0.2513, 0.2078



21.3284, 0.2962, 0.2398



7.8329, 0.3016, 0.3058



2.5023, 0.1612, 0.0662



0.0918, 0.1900, 0.0821

Previews

White Background



This preview shows how the Yxy color 37.6666, 0.3517, 0.4168 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 37.6666, 0.3517, 0.4168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

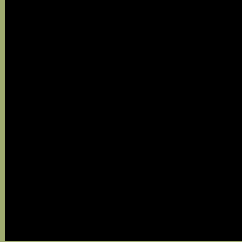
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6666, 0.3517, 0.4168

Background



This preview shows how black text looks on a background with the Yxy color 37.6666, 0.3517, 0.4168.



This preview shows how white text looks on a background with the Yxy color 37.6666, 0.3517, 0.4168.

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

37.6666, 0.3517, 0.4168

Protanopia

37.5981, 0.3771, 0.4074

Deuteranopia

37.5618, 0.3939, 0.3858



Tritanopia

37.5445, 0.3052, 0.3108

Trichromacy



Original Color

37.6666, 0.3517, 0.4168

Protanomaly

37.5339, 0.3681, 0.4106

Deuteranomaly

37.4766, 0.3777, 0.3969

Tritanomaly

37.4649, 0.3222, 0.3479

Monochromacy



Original Color

37.6666, 0.3517, 0.4168

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.3670, 0.3273, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6666, 0.3517, 0.4168 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(159, 171, 112)` looks like.

```
.text, #text, p{  
    color:rgb(159, 171, 112)  
}
```

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(159, 171, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 171, 112) }
```

Border

The CSS property to change the border of an element to Yxy 37.6666, 0.3517, 0.4168 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(159, 171, 112) }
```

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

```
.border{ border-color:rgb(159, 171, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 171, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 171, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 171, 112);  
box-shadow:4px 4px 4px 4px rgb(159, 171,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6666, 0.3517, 0.4168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 171, 112) }
```

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

```
.background{ background-color: rgb(159,  
171, 112) }
```

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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