

Converting Colors

$Yxy(37.3191, 0.3298, 0.3754)$

Have a look what the booklet for
Yxy(37.3191, 0.3298, 0.3754)
contains.

Yxy(37.4512, 0.3299, 0.3767)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.4512, 0.3299, 0.3767)

Conversions

Conversions Part 1

Format	Color
Hex	9EA989
RGB	158, 169, 137
RGB Percent	62%, 66%, 54%
CMY	0.3805, 0.3372, 0.4627
CMYK	0.07, 0.00, 0.19, 0.34
HSL	81°, 16%, 60%
HSV	81°, 19%, 66%
XYZ	32.7984, 37.4512, 29.1696
YIQ	162.0630, 3.7160, -12.2840

Conversions

Conversions Part 2

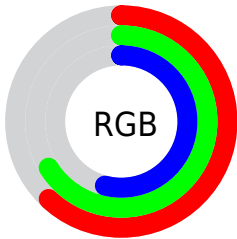
Format	Color
RYB	137, 169, 148
Decimal	10398089
CIELab	67.61, -9.70, 15.23
CIELCh	68, 18.060, 122.493
Yxy	37.4512, 0.3299, 0.3767
Android (android.graphics.Color)	4288588169 (0xFF9EA989)
YUV	162.0630, -12.3561, -3.5633
Hunter-Lab	61.1974, -11.4294, 14.5777

Details

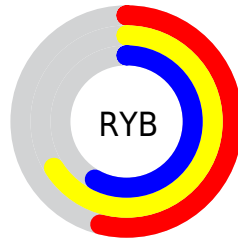
The Yxy color **37.4512, 0.3299, 0.3767** is a light color, and the websafe version is hex **999966**. A complement of this color would be **27.0605, 0.2931, 0.2799**, and the grayscale version is **36.2182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1751, 0.3273, 0.3675**, and **16.4749, 0.3343, 0.3927** is the 20% darker color. If you saturate the color by 10%, you get **36.4273, 0.3388, 0.4038**, and if you desaturate by 10%, it is **38.5825, 0.3208, 0.3508**.

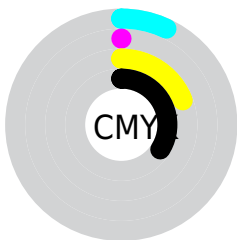
Distribution



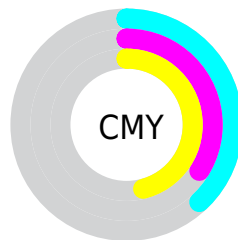
- Red (62%)
- Green (66%)
- Blue (54%)



- Red (54%)
- Yellow (66%)
- Blue (58%)



- Cyan (7%)
- Magenta (0%)
- Yellow (19%)
- Black (34%)




- Cyan (38%)
- Magenta (34%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4512, 0.3299, 0.3767 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 37.4512, 0.3299, 0.3767 by changing the saturation by 10% instead.


 37.4512, 0.3299,
0.3767

 37.4512, 0.3299,
0.3767


335.2599, 0.3213,
0.3515

 25.5570, 0.3320,
0.3835


 71.2662, 0.3268,
0.3672

 16.4925, 0.3348,
0.3924


 93.9558, 0.3256,
0.3637

 9.8734, 0.3383,
0.4048


 121.0127, 0.3246,
0.3609

 5.3151, 0.3431,
0.4232

152.8212, 0.3237,
0.3584

 2.4333, 0.3496,
0.4529

189.7658, 0.3230,
0.3563

 0.8429, 0.4010,
0.5990

232.2308, 0.3223,

 0.0000, 0.0000,

0.3545

0.0000

280.6007, 0.3218,
0.3529

■ 37.4512, 0.3299,
0.3767

■ 37.4512, 0.3299,
0.3767

■ 36.4273, 0.3388,
0.4038

■ 38.5825, 0.3208,
0.3508

■ 35.5020, 0.3470,
0.4314

■ 39.8199, 0.3118,
0.3265

■ 34.6726, 0.3542,
0.4587

■ 41.1686, 0.3030,
0.3041

■ 33.9347, 0.3598,
0.4844

■ 42.6318, 0.2946,
0.2836

■ 33.2832, 0.3634,
0.5074

■ 44.2128, 0.2868,
0.2650

■ 32.7125, 0.3647,
0.5265

■ 45.9144, 0.2794,
0.2483

■ 32.2161, 0.3636,
0.5410

■ 47.7192, 0.2728,
0.2335

■ 31.7818, 0.3605,
0.5512

■ 48.5322, 0.2772,
0.2347

■ 31.7376, 0.3602,
0.5522

■ 49.3761, 0.2816,
0.2358

Harmonies

Analogous

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



37.4512, 0.3532, 0.3741



37.4512, 0.3299, 0.3767



37.4512, 0.3027, 0.3650

Triad

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



37.4512, 0.3299, 0.3767



37.4512, 0.2622, 0.2959



37.4512, 0.3470, 0.3153

Complementary

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



37.4512, 0.3299, 0.3767



27.0605, 0.2931, 0.2799

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.



37.4512, 0.3212, 0.2966



37.4512, 0.3299, 0.3767



37.4512, 0.2727, 0.2851

Square

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



37.4512, 0.3299, 0.3767



37.4512, 0.2643, 0.3166



37.4512, 0.2940, 0.2856



37.4512, 0.3636, 0.3379

Rectangle

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



37.4512, 0.3299, 0.3767



37.4512, 0.2860, 0.3506



37.4512, 0.2940, 0.2856



37.4512, 0.3390, 0.3084

Sweetspot

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



37.4528, 0.3299, 0.3767



69.6929, 0.3182, 0.3437



31.3216, 0.3460, 0.3449



15.1610, 0.3188, 0.3453



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.



37.4528, 0.3299, 0.3767



66.2188, 0.3339, 0.3887



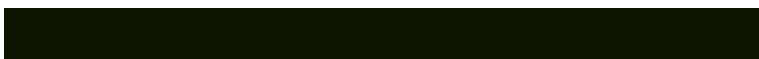
35.9689, 0.3152, 0.3789



8.6422, 0.3211, 0.3517



23.6799, 0.3608, 0.5517



0.6028, 0.3809, 0.5358

Inverse Universe

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



27.0605, 0.2931, 0.2799



43.9289, 0.2877, 0.2671



28.6173, 0.3093, 0.2823



7.4218, 0.3038, 0.3060



2.8409, 0.1778, 0.0753



0.0974, 0.2173, 0.0971

Previews

White Background



This preview shows how the Yxy color 37.4512, 0.3299, 0.3767 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 37.4512, 0.3299, 0.3767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

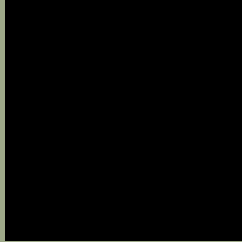
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

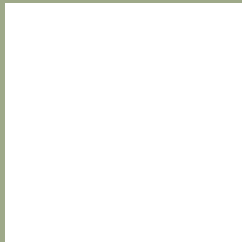
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.4512, 0.3299, 0.3767

Background



This preview shows how black text looks on a background with the Yxy color 37.4512, 0.3299, 0.3767.



This preview shows how white text looks on a background with the Yxy color 37.4512, 0.3299, 0.3767.

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

37.4512, 0.3299, 0.3767

Protanopia

37.2989, 0.3487, 0.3705

Deuteranopia

37.1366, 0.3621, 0.3550



Tritanopia

37.6178, 0.3017, 0.3107

Trichromacy



Original Color

37.4512, 0.3299, 0.3767

Protanomaly

37.3748, 0.3412, 0.3726

Deuteranomaly

37.1406, 0.3505, 0.3629

Tritanomaly

37.5625, 0.3124, 0.3348

Monochromacy



Original Color

37.4512, 0.3299, 0.3767

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.7872, 0.3194, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4512, 0.3299, 0.3767 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(158, 169, 137)` looks like.

```
.text, #text, p{  
    color:rgb(158, 169, 137)  
}
```

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(158, 169, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 169, 137) }
```

Border

The CSS property to change the border of an element to Yxy 37.4512, 0.3299, 0.3767 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(158, 169, 137) }
```

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

```
.border{ border-color:rgb(158, 169, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 169, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 169, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 169, 137);  
box-shadow:4px 4px 4px 4px rgb(158, 169,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4512, 0.3299, 0.3767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 169, 137) }
```

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

```
.background{ background-color: rgb(158,  
169, 137) }
```

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