

Converting Colors

$Y_{xy}(37.0312, 0.3482, 0.4068)$

Have a look what the booklet for
Yxy(37.0312, 0.3482, 0.4068)
contains.

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Color

Yxy(37.0312, 0.3482, 0.4068)

Conversions

Conversions Part 1	
Format	Color
Hex	9FA975
RGB	159, 169, 117
RGB Percent	62%, 66%, 46%
CMY	0.3765, 0.3372, 0.5412
CMYK	0.06, 0.00, 0.31, 0.34
HSL	72°, 23%, 56%
HSV	72°, 31%, 66%
XYZ	31.6968, 37.0312, 22.3025
YIQ	160.0820, 10.7320, -18.2920

Conversions

Conversions Part 2

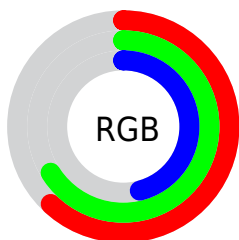
Format	Color
RYB	117, 169, 127
Decimal	10463605
CIELab	67.30, -12.32, 25.73
CIELCh	67, 28.525, 115.589
Yxy	37.0312, 0.3482, 0.4068
Android (android.graphics.Color)	4288653685 (0xFF9FA975)
YUV	160.0820, -21.2394, -0.9489
Hunter-Lab	60.8533, -13.5174, 20.8677

Details

The Yxy color $37.0312, 0.3482, 0.4068$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $20.0955, 0.2696, 0.2433$, and the grayscale version is $35.2902, 0.3127, 0.3290$.

A 20% lighter version of the original color is $70.5097, 0.3414, 0.3905$, and $16.2657, 0.3579, 0.4322$ is the 20% darker color. If you saturate the color by 10%, you get $36.3427, 0.3590, 0.4326$, and if you desaturate by 10%, it is $37.8035, 0.3368, 0.3807$.

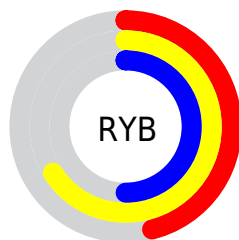
Distribution



Red (62%)

Green (66%)

Blue (46%)



Red (46%)

Yellow (66%)

Blue (50%)

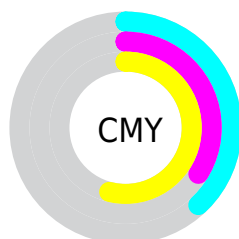


Cyan (6%)

Magenta (0%)

Yellow (31%)

Black (34%)



Cyan (38%)


Magenta (34%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0312, 0.3482, 0.4068 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 37.0312, 0.3482, 0.4068 by changing the saturation by 10% instead.


 37.0312, 0.3482,
0.4068


 37.0312, 0.3482,
0.4068


333.4456, 0.3306,
0.3656


 25.2316, 0.3524,
0.4178

 70.6208, 0.3419,
0.3913

 16.2497, 0.3577,
0.4322


 93.1796, 0.3395,
0.3856

 9.7010, 0.3642,
0.4521


 120.0936, 0.3374,
0.3809

 5.2012, 0.3721,
0.4806

151.7472, 0.3357,
0.3769

 2.3658, 0.3931,
0.5413

188.5248, 0.3341,
0.3735

 0.8082, 0.3664,
0.6336


230.8108, 0.3328,

 0.0000, 0.0000,

0.3705


0.0000

278.9896, 0.3316,
0.3679


 37.0312, 0.3482,
0.4068


 37.0312, 0.3482,
0.4068


 36.3427, 0.3590,
0.4326


 37.8035, 0.3368,
0.3807


 35.7292, 0.3686,
0.4573


 38.6582, 0.3251,
0.3552

 35.1879, 0.3766,
0.4798


 39.6005, 0.3136,
0.3308


 34.7142, 0.3825,
0.4990


 40.6336, 0.3025,
0.3079

 34.3025, 0.3859,
0.5142

 41.7604, 0.2919,
0.2867


 33.9466, 0.3868,
0.5249

 42.9839, 0.2820,
0.2672

 33.6548, 0.3859,
0.5318

 44.3068, 0.2729,
0.2495

 45.7317, 0.2644,
0.2335

 46.3200, 0.2650,
0.2315

Harmonies

Analogous

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



37.0312, 0.3827, 0.3953



37.0312, 0.3482, 0.4068



37.0312, 0.3057, 0.3941

Triad

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



37.0312, 0.3482, 0.4068



37.0312, 0.2336, 0.2821



37.0312, 0.3583, 0.2999

Complementary

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



37.0312, 0.3482, 0.4068



20.0955, 0.2696, 0.2433

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.



37.0312, 0.3152, 0.2741



37.0312, 0.3482, 0.4068



37.0312, 0.2452, 0.2628

Square

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



37.0312, 0.3482, 0.4068



37.0312, 0.2411, 0.3170



37.0312, 0.2741, 0.2606



37.0312, 0.3897, 0.3331

Rectangle

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



37.0312, 0.3482, 0.4068



37.0312, 0.2786, 0.3728



37.0312, 0.2741, 0.2606



37.0312, 0.3446, 0.2902

Sweetspot

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



37.0328, 0.3482, 0.4068



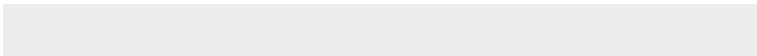
69.4932, 0.3232, 0.3512



24.7756, 0.3761, 0.3438



15.0969, 0.3249, 0.3547



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.



37.0328, 0.3482, 0.4068



65.4544, 0.3557, 0.4247



34.6855, 0.3235, 0.4133



8.6999, 0.3234, 0.3515



25.1035, 0.3863, 0.5315



0.6290, 0.3979, 0.5223

Inverse Universe

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



20.0955, 0.2696, 0.2433



30.1992, 0.2578, 0.2211



22.3113, 0.2975, 0.2498



7.3674, 0.3015, 0.3059



2.3880, 0.1604, 0.0657



0.0773, 0.1899, 0.0820

Previews

White Background



This preview shows how the Yxy color 37.0312, 0.3482, 0.4068 looks on a white background.

Color Contrast Check

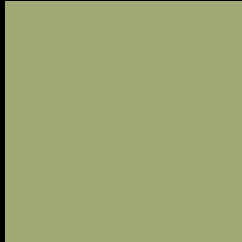
Large Text (above 18pt) WCAG AA × Fail

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 37.0312, 0.3482, 0.4068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

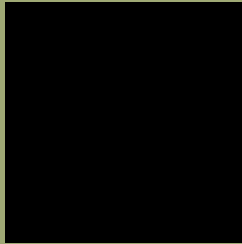
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

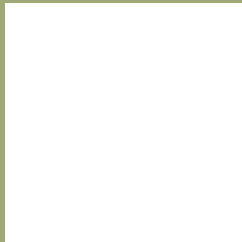
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.0312, 0.3482, 0.4068

Background



This preview shows how black text looks on a background with the Yxy color 37.0312, 0.3482, 0.4068.



This preview shows how white text looks on a background with the Yxy color 37.0312, 0.3482, 0.4068.

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

37.0312, 0.3482, 0.4068

Protanopia

37.1358, 0.3702, 0.3984

Deuteranopia

36.9393, 0.3864, 0.3787



Tritanopia

37.1121, 0.3070, 0.3121

Trichromacy



Original Color
37.0312, 0.3482, 0.4068

Protanomaly
37.0794, 0.3612, 0.4014

Deuteranomaly
36.6454, 0.3719, 0.3880

Tritanomaly
37.1027, 0.3223, 0.3464

Monochromacy



Original Color
37.0312, 0.3482, 0.4068

Achromatopsia
35.1533, 0.3127, 0.3290

Achromatomaly
35.6816, 0.3267, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0312, 0.3482, 0.4068 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, 169, 117) looks like.

```
.text, #text, p{  
    color:rgb(159, 169, 117)  
}
```

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, 169, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 169, 117) }
```

Border

The CSS property to change the border of an element to Yxy 37.0312, 0.3482, 0.4068 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, 169, 117) }
```

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

```
.border{ border-color:rgb(159, 169, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 169, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 169, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 169, 117);  
box-shadow:4px 4px 4px 4px rgb(159, 169,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0312, 0.3482, 0.4068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 169, 117) }
```

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

```
.background{ background-color: rgb(159,  
169, 117) }
```

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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