

Converting Colors

$Yxy(38.6571, 0.3695, 0.4259)$

Have a look what the booklet for
Yxy(38.6571, 0.3695, 0.4259)
contains.

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Color

Yxy(38.6511, 0.3701, 0.4259)

Conversions

Conversions Part 1

Format	Color
Hex	AAAB67
RGB	170, 171, 103
RGB Percent	67%, 67%, 40%
CMY	0.3333, 0.3294, 0.5962
CMYK	0.01, 0.00, 0.40, 0.33
HSL	61°, 29%, 54%
HSV	61°, 40%, 67%
XYZ	33.5872, 38.6511, 18.5133
YIQ	162.9490, 21.2320, -21.3600

Conversions

Conversions Part 2

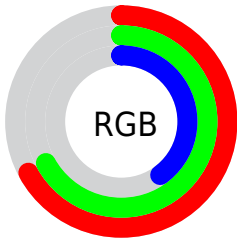
Format	Color
RYB	103, 171, 104
Decimal	11184999
CIELab	68.50, -10.72, 34.89
CIELCh	68, 36.496, 107.083
Yxy	38.6511, 0.3701, 0.4259
Android (android.graphics.Color)	4289375079 (0xFFAAAB67)
YUV	162.9490, -29.5549, 6.1837
Hunter-Lab	62.1700, -12.3634, 25.8633

Details

The Yxy color **38.6511, 0.3701, 0.4259** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.5764, 0.2417, 0.2103**, and the grayscale version is **36.7346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9280, 0.3600, 0.4072**, and **17.1730, 0.3839, 0.4558** is the 20% darker color. If you saturate the color by 10%, you get **38.3158, 0.3831, 0.4480**, and if you desaturate by 10%, it is **39.0602, 0.3560, 0.4020**.

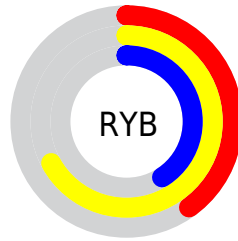
Distribution



Red (67%)

Green (67%)

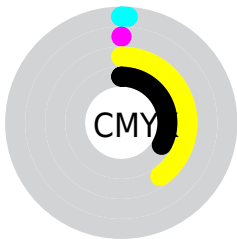
Blue (40%)



Red (40%)

Yellow (67%)

Blue (41%)

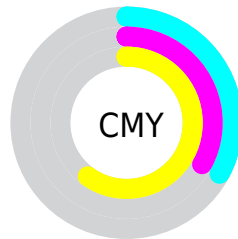


Cyan (1%)

Magenta (0%)

Yellow (40%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6511, 0.3701, 0.4259 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 38.6511, 0.3701, 0.4259 by changing the saturation by 10% instead.


 38.6511, 0.3701,
0.4259


 38.6511, 0.3701,
0.4259


340.4048, 0.3419,
0.3756

 26.4884, 0.3766,
0.4388


 73.1050, 0.3601,
0.4073

 17.1894, 0.3845,
0.4552


 96.1650, 0.3563,
0.4004

 10.3696, 0.3940,
0.4769


 123.6263, 0.3530,
0.3946

 5.6447, 0.4047,
0.5060

 155.8732, 0.3502,
0.3897

 2.6303, 0.4316,
0.5684

193.2901, 0.3477,
0.3854

 0.9419, 0.4017,
0.5983

236.2614, 0.3455,

 0.0000, 0.0000,

0.3817

0.0000

285.1715, 0.3436,
0.3784

■ 38.6511, 0.3701,
0.4259

■ 38.6511, 0.3701,
0.4259

■ 38.3158, 0.3831,
0.4480

■ 39.0602, 0.3560,
0.4020

■ 38.0447, 0.3944,
0.4674

■ 39.5418, 0.3414,
0.3773

■ 37.8347, 0.4036,
0.4834

■ 40.1012, 0.3267,
0.3526

■ 37.6806, 0.4103,
0.4952


■ 40.7420, 0.3124,
0.3285


■ 37.5758, 0.4145,
0.5029


■ 41.4672, 0.2987,
0.3055


 37.5067, 0.4167,
0.5072

 42.2800, 0.2859,
0.2840

 37.5053, 0.4168,
0.5073

 43.1832, 0.2740,
0.2641

 44.1795, 0.2630,
0.2458

 45.1504, 0.2541,
0.2309

Harmonies

Analogous

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



38.6511, 0.4086, 0.4023



38.6511, 0.3701, 0.4259



38.6511, 0.3181, 0.4206

Triad

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



38.6511, 0.3701, 0.4259



38.6511, 0.2152, 0.2798



38.6511, 0.3552, 0.2825

Complementary

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



38.6511, 0.3701, 0.4259



15.5764, 0.2417, 0.2103

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.



38.6511, 0.2997, 0.2550



38.6511, 0.3701, 0.4259



38.6511, 0.2228, 0.2509

Square

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



38.6511, 0.3701, 0.4259



38.6511, 0.2304, 0.3279



38.6511, 0.2523, 0.2433



38.6511, 0.4013, 0.3209

Rectangle

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



38.6511, 0.3701, 0.4259



38.6511, 0.2831, 0.3982



38.6511, 0.2523, 0.2433



38.6511, 0.3368, 0.2719

Sweetspot

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



38.6529, 0.3701, 0.4259



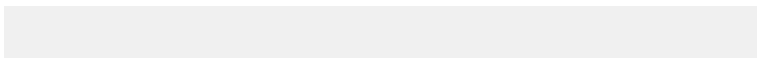
71.5572, 0.3303, 0.3585



19.3315, 0.4103, 0.3293



15.9288, 0.3321, 0.3616



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.



38.6529, 0.3701, 0.4259



68.6674, 0.3819, 0.4460



35.4242, 0.3375, 0.4375



9.3241, 0.3261, 0.3514



28.2733, 0.4168, 0.5073



0.7884, 0.4176, 0.5066

Inverse Universe

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



15.5764, 0.2417, 0.2103



21.3877, 0.2226, 0.1786



17.9521, 0.2770, 0.2209



7.7627, 0.2988, 0.3056



2.2309, 0.1506, 0.0603



0.0639, 0.1532, 0.0617

Previews

White Background



This preview shows how the Yxy color 38.6511, 0.3701, 0.4259 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 38.6511, 0.3701, 0.4259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

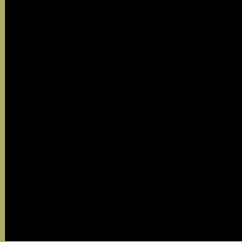
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6511, 0.3701, 0.4259

Background



This preview shows how black text looks on a background with the Yxy color 38.6511, 0.3701, 0.4259.



This preview shows how white text looks on a background with the Yxy color 38.6511, 0.3701, 0.4259.

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

38.6511, 0.3701, 0.4259

Protanopia

38.5221, 0.3860, 0.4194

Deuteranopia

38.5997, 0.4053, 0.3984



Tritanopia

38.4008, 0.3164, 0.3114

Trichromacy



Original Color

38.6511, 0.3701, 0.4259

Protanomaly

38.4296, 0.3805, 0.4207

Deuteranomaly

38.5180, 0.3925, 0.4079

Tritanomaly

38.1942, 0.3365, 0.3516

Monochromacy



Original Color

38.6511, 0.3701, 0.4259

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.3025, 0.3348, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6511, 0.3701, 0.4259 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(170, 171, 103)` looks like.

```
.text, #text, p{  
    color:rgb(170, 171, 103)  
}
```

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(170, 171, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 171, 103) }
```

Border

The CSS property to change the border of an element to Yxy 38.6511, 0.3701, 0.4259 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(170, 171, 103) }
```

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

```
.border{ border-color:rgb(170, 171, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 171, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 171, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 171, 103);  
box-shadow:4px 4px 4px 4px rgb(170, 171,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6511, 0.3701, 0.4259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 171, 103) }
```

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

```
.background{ background-color: rgb(170,  
171, 103) }
```

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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