

Converting Colors

$Yxy(38.3329, 0.3861, 0.4523)$

Have a look what the booklet for
Yxy(38.3329, 0.3861, 0.4523)
contains.

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Color

Yxy(38.2811, 0.3861, 0.4525)

Conversions

Conversions Part 1

Format	Color
Hex	AAAB52
RGB	170, 171, 82
RGB Percent	67%, 67%, 32%
CMY	0.3333, 0.3294, 0.6783
CMYK	0.01, 0.00, 0.52, 0.33
HSL	61°, 35%, 50%
HSV	61°, 52%, 67%
XYZ	32.6637, 38.2811, 13.6543
YIQ	160.5550, 27.9730, -27.8910

Conversions

Conversions Part 2

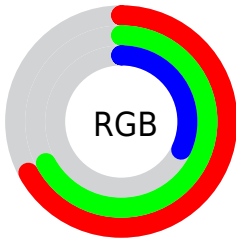
Format	Color
RYB	82, 171, 83
Decimal	11184978
CIELab	68.23, -12.82, 45.11
CIELCh	68, 46.900, 105.870
Yxy	38.2811, 0.3861, 0.4525
Android (android.graphics.Color)	4289375058 (0xFFAAAB52)
YUV	160.5550, -38.7276, 8.2833
Hunter-Lab	61.8717, -14.0406, 30.2257

Details

The Yxy color **38.2811, 0.3861, 0.4525** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.8190, 0.2156, 0.1674**, and the grayscale version is **35.5982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4448, 0.3742, 0.4291**, and **17.0056, 0.4026, 0.4874** is the 20% darker color. If you saturate the color by 10%, you get **38.0325, 0.3970, 0.4711**, and if you desaturate by 10%, it is **38.5981, 0.3734, 0.4310**.

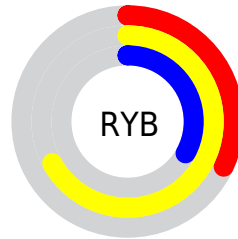
Distribution



Red (67%)

Green (67%)

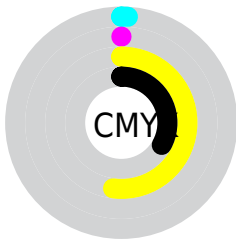
Blue (32%)



Red (32%)

Yellow (67%)

Blue (33%)

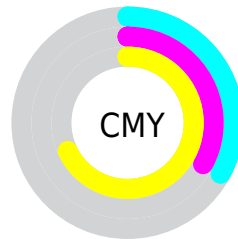


Cyan (1%)

Magenta (0%)

Yellow (52%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.2811, 0.3861, 0.4525 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 38.2811, 0.3861, 0.4525 by changing the saturation by 10% instead.


 38.2811, 0.3861,
0.4525


 38.2811, 0.3861,
0.4525


338.8243, 0.3511,
0.3890

 26.2009, 0.3935,
0.4681


 72.5388, 0.3742,
0.4294


 16.9740, 0.4019,
0.4876


 95.4851, 0.3694,
0.4207


 10.2160, 0.4108,
0.5119


 122.8222, 0.3653,
0.4133

 5.5424, 0.4247,
0.5506

 154.9346, 0.3617,
0.4070

 2.5689, 0.4198,
0.5802

 192.2066, 0.3586,
0.4016

 0.9110, 0.3776,
0.6224

235.0226, 0.3558,

 0.0000, 0.0000,

0.3968

0.0000

283.7670, 0.3533,
0.3927

■ 38.2811, 0.3861,
0.4525

■ 38.2811, 0.3861,
0.4525

■ 38.0325, 0.3970,
0.4711

■ 38.5981, 0.3734,
0.4310

■ 37.8421, 0.4058,
0.4861

■ 38.9827, 0.3594,
0.4074

■ 37.7062, 0.4120,
0.4970

■ 39.4406, 0.3448,
0.3829

■ 37.6179, 0.4157,
0.5036

■ 39.9756, 0.3301,
0.3581

■ 37.5702, 0.4174,
0.5068

■ 40.5911, 0.3156,
0.3338

■ 41.2904, 0.3017,
0.3106

■ 42.0765, 0.2886,
0.2887

■ 42.9523, 0.2764,
0.2684

■ 43.9207, 0.2652,
0.2497

Harmonies

Analogous

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



38.2811, 0.4354, 0.4174



38.2811, 0.3861, 0.4525



38.2811, 0.3202, 0.4511

Triad

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



38.2811, 0.3861, 0.4525



38.2811, 0.1910, 0.2666



38.2811, 0.3639, 0.2687

Complementary

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



38.2811, 0.3861, 0.4525



10.8190, 0.2156, 0.1674

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.



38.2811, 0.2924, 0.2358



38.2811, 0.3861, 0.4525



38.2811, 0.1994, 0.2310

Square

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



38.2811, 0.3861, 0.4525



38.2811, 0.2099, 0.3287



38.2811, 0.2341, 0.2219



38.2811, 0.4253, 0.3149

Rectangle

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



38.2811, 0.3861, 0.4525



38.2811, 0.2759, 0.4229



38.2811, 0.2341, 0.2219



38.2811, 0.3398, 0.2559

Sweetspot

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



38.2829, 0.3861, 0.4525



71.1657, 0.3363, 0.3686



15.3062, 0.4593, 0.3294



15.8279, 0.3393, 0.3735



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.



38.2829, 0.3861, 0.4525



68.0691, 0.3981, 0.4729



34.2119, 0.3427, 0.4734



9.3255, 0.3261, 0.3514



28.3223, 0.4174, 0.5068



0.7893, 0.4180, 0.5063

Inverse Universe

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



10.8190, 0.2156, 0.1674



13.6255, 0.1934, 0.1305



13.4534, 0.2623, 0.1852



7.7614, 0.2987, 0.3056



2.2275, 0.1505, 0.0602



0.0633, 0.1524, 0.0613

Previews

White Background



This preview shows how the Yxy color 38.2811, 0.3861, 0.4525 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 38.2811, 0.3861, 0.4525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

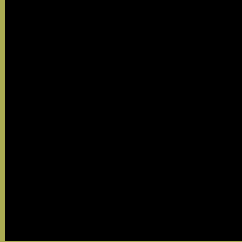
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2811, 0.3861, 0.4525

Background



This preview shows how black text looks on a background with the Yxy color 38.2811, 0.3861, 0.4525.



This preview shows how white text looks on a background with the Yxy color 38.2811, 0.3861, 0.4525.

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

38.2811, 0.3861, 0.4525

Protanopia

38.0569, 0.4046, 0.4413

Deuteranopia

37.9470, 0.4280, 0.4189



Tritanopia

38.1294, 0.3183, 0.3114

Trichromacy



Original Color

38.2811, 0.3861, 0.4525

Protanomaly

38.1831, 0.3980, 0.4460

Deuteranomaly

38.0409, 0.4127, 0.4309

Tritanomaly

38.0635, 0.3449, 0.3630

Monochromacy



Original Color

38.2811, 0.3861, 0.4525

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.4687, 0.3411, 0.3778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2811, 0.3861, 0.4525 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, 82)` looks like.

```
.text, #text, p{  
    color:rgb(170, 171, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 171, 82) }
```

Border

The CSS property to change the border of an element to Yxy 38.2811, 0.3861, 0.4525 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, 82) }
```

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

```
.border{ border-color:rgb(170, 171, 82) }
```

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, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 171, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 171, 82);  
box-shadow:4px 4px 4px 4px rgb(170, 171,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2811, 0.3861, 0.4525 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, 82) }
```

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

```
.background{ background-color: rgb(170,  
171, 82) }
```

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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