

Converting Colors

$Yxy(38.5374, 0.4181, 0.4898)$

Have a look what the booklet for
Yxy(38.5374, 0.4181, 0.4898)
contains.

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Color

Yxy(38.5884, 0.4186, 0.4897)

Conversions

Conversions Part 1

Format	Color
Hex	B1AB22
RGB	177, 171, 34
RGB Percent	69%, 67%, 13%
CMY	0.3058, 0.3294, 0.8665
CMYK	0.00, 0.03, 0.81, 0.31
HSL	57°, 68%, 41%
HSV	57°, 81%, 69%
XYZ	32.9857, 38.5884, 7.2260
YIQ	157.1760, 47.5530, -41.3350

Conversions

Conversions Part 2

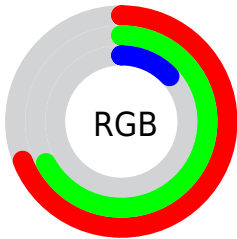
Format	Color
RYB	40, 177, 34
Decimal	11643682
CIELab	68.45, -12.65, 64.63
CIELCh	68, 65.859, 101.071
Yxy	38.5884, 0.4186, 0.4897
Android (android.graphics.Color)	4289833762 (0xFFB1AB22)
YUV	157.1760, -60.7258, 17.3856
Hunter-Lab	62.1196, -13.9251, 36.5869

Details

The Yxy color **38.5884, 0.4186, 0.4897** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.0370, 0.1657, 0.0892**, and the grayscale version is **34.0669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9983, 0.4044, 0.4633**, and **17.1867, 0.4207, 0.5041** is the 20% darker color. If you saturate the color by 10%, you get **38.2325, 0.4238, 0.4962**, and if you desaturate by 10%, it is **39.0021, 0.4108, 0.4789**.

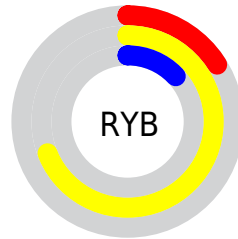
Distribution



Red (69%)

Green (67%)

Blue (13%)



Red (16%)

Yellow (69%)

Blue (13%)

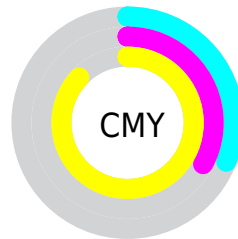


Cyan (0%)

Magenta (3%)

Yellow (81%)

Black (31%)



Cyan (31%)

Magenta (33%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.5884, 0.4186, 0.4897 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 38.5884, 0.4186, 0.4897 by changing the saturation by 10% instead.


 38.5884, 0.4186,
0.4897


 38.5884, 0.4186,
0.4897


340.1374, 0.3717,
0.4115


 26.4397, 0.4264,
0.5061


 73.0091, 0.4041,
0.4631

 17.1529, 0.4336,
0.5246


 96.0499, 0.3978,
0.4524


 10.3435, 0.4432,
0.5506


 123.4901, 0.3921,
0.4432

 5.6273, 0.4364,
0.5636

 155.7143, 0.3871,
0.4352

 2.6198, 0.4212,
0.5788

 193.1067, 0.3826,
0.4281

 0.9366, 0.3827,
0.6173

 236.0517, 0.3786,

 0.0000, 0.0000,

0.4219

0.0000

284.9338, 0.3750,
0.4164

■ 38.5884, 0.4186,
0.4897

■ 38.5884, 0.4186,
0.4897

■ 38.2325, 0.4238,
0.4962

■ 39.0021, 0.4108,
0.4789

■ 37.9365, 0.4268,
0.4993

■ 39.4753, 0.4005,
0.4640

■ 40.0158, 0.3881,
0.4456

■ 40.6289, 0.3741,
0.4245

■ 41.3192, 0.3592,
0.4016

■ 42.0913, 0.3438,
0.3778

■ 42.9490, 0.3286,
0.3540

■ 43.8960, 0.3138,
0.3307

■ 44.9360, 0.2998,
0.3086

Harmonies

Analogous

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



38.5884, 0.4837, 0.4289



38.5884, 0.4186, 0.4897



38.5884, 0.3314, 0.5097

Triad

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



38.5884, 0.4186, 0.4897



38.5884, 0.1535, 0.2507



38.5884, 0.3662, 0.2399

Complementary

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



38.5884, 0.4186, 0.4897



5.0370, 0.1657, 0.0892

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.



38.5884, 0.2686, 0.2017



38.5884, 0.4186, 0.4897



38.5884, 0.1598, 0.2015

Square

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



38.5884, 0.4186, 0.4897



38.5884, 0.1807, 0.3417



38.5884, 0.1975, 0.1876



38.5884, 0.4590, 0.2958

Rectangle

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



38.5884, 0.4186, 0.4897



38.5884, 0.2717, 0.4794



38.5884, 0.1975, 0.1876



38.5884, 0.3321, 0.2248

Sweetspot

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



38.5902, 0.4186, 0.4897



74.8515, 0.3494, 0.3865



10.6566, 0.5803, 0.3236



16.1177, 0.3548, 0.3948



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.5902, 0.4186, 0.4897



68.0146, 0.4262, 0.4986



35.0542, 0.3509, 0.5400



9.8442, 0.3264, 0.3506



27.5050, 0.4267, 0.4994



0.8841, 0.4245, 0.5012

Inverse Universe

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



5.0370, 0.1657, 0.0892



6.1075, 0.1517, 0.0639



6.9392, 0.2165, 0.1106



8.2855, 0.2985, 0.3065



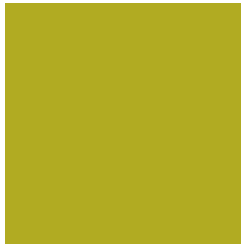
2.4396, 0.1509, 0.0633



0.0956, 0.1547, 0.0768

Previews

White Background



This preview shows how the Yxy color 38.5884, 0.4186, 0.4897 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 38.5884, 0.4186, 0.4897 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 38.5884, 0.4186, 0.4897

Background



This preview shows how black text looks on a background with the Yxy color 38.5884, 0.4186, 0.4897.



This preview shows how white text looks on a background with the Yxy color 38.5884, 0.4186, 0.4897.

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

38.5884, 0.4186, 0.4897

Protanopia

38.4386, 0.4338, 0.4787

Deuteranopia

38.3155, 0.4615, 0.4510



Tritanopia

38.4662, 0.3290, 0.3118

Trichromacy



Original Color

38.5884, 0.4186, 0.4897

Protanomaly

38.3054, 0.4288, 0.4825

Deuteranomaly

38.3401, 0.4460, 0.4654

Tritanomaly

37.7899, 0.3714, 0.3858

Monochromacy



Original Color

38.5884, 0.4186, 0.4897

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.9030, 0.3602, 0.4036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5884, 0.4186, 0.4897 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(177, 171, 34)` looks like.

```
.text, #text, p{  
    color:rgb(177, 171, 34)  
}
```

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(177, 171, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 171, 34) }
```

Border

The CSS property to change the border of an element to Yxy 38.5884, 0.4186, 0.4897 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(177, 171, 34) }
```

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

```
.border{ border-color:rgb(177, 171, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 171, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 171, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 171, 34);  
box-shadow:4px 4px 4px 4px rgb(177, 171,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5884, 0.4186, 0.4897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 171, 34) }
```

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

```
.background{ background-color: rgb(177,  
171, 34) }
```

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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