

Converting Colors

$Y_{xy}(38.7820, 0.4133, 0.4536)$

Have a look what the booklet for
Yxy(38.7820, 0.4133, 0.4536)
contains.

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Color

Yxy(38.8866, 0.4127, 0.4539)

Conversions

Conversions Part 1

Format	Color
Hex	BAA846
RGB	186, 168, 70
RGB Percent	73%, 66%, 27%
CMY	0.2706, 0.3412, 0.7257
CMYK	0.00, 0.10, 0.62, 0.27
HSL	51°, 46%, 50%
HSV	51°, 62%, 73%
XYZ	35.3569, 38.8866, 11.4287
YIQ	162.2100, 42.1860, -26.6620

Conversions

Conversions Part 2

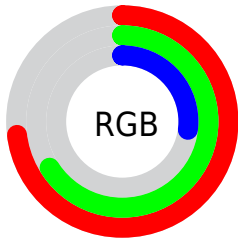
Format	Color
R _Y B	91, 186, 70
Decimal	12232774
CIE Lab	68.67, -5.36, 51.64
CIE LCh	69, 51.915, 95.922
Yxy	38.8866, 0.4127, 0.4539
Android (android.graphics.Color)	4290422854 (0xFFBAA846)
YUV	162.2100, -45.4595, 20.8638
Hunter-Lab	62.3591, -7.9210, 32.7852

Details

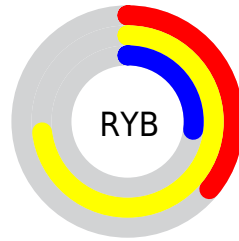
The Yxy color **38.8866, 0.4127, 0.4539** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.8167, 0.1992, 0.1583**, and the grayscale version is **36.4364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4136, 0.3961, 0.4327**, and **17.2657, 0.4350, 0.4838** is the 20% darker color. If you saturate the color by 10%, you get **37.6357, 0.4260, 0.4670**, and if you desaturate by 10%, it is **40.2375, 0.3975, 0.4373**.

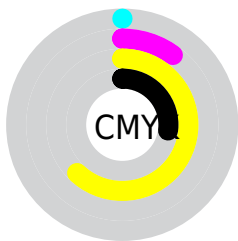
Distribution



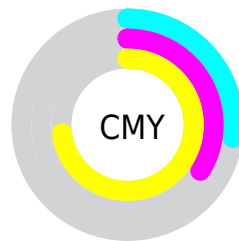
- Red (73%)
- Green (66%)
- Blue (27%)



- Red (36%)
- Yellow (73%)
- Blue (27%)



- Cyan (0%)
- Magenta (10%)
- Yellow (62%)
- Black (27%)



- Cyan (27%)
- Magenta (34%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.8866, 0.4127, 0.4539 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 38.8866, 0.4127, 0.4539 by changing the saturation by 10% instead.

■ 38.8866, 0.4127,
0.4539

■ 38.8866, 0.4127,
0.4539

341.4081, 0.3649,
0.3922

■ 26.6715, 0.4228,
0.4678

■ 73.4651, 0.3964,
0.4323

■ 17.3267, 0.4342,
0.4842

■ 96.5972, 0.3900,
0.4239

■ 10.4677, 0.4463,
0.5031

■ 124.1372, 0.3843,
0.4167

■ 5.7101, 0.4662,
0.5338

■ 156.4694, 0.3794,
0.4104

■ 2.6696, 0.4600,
0.5400

■ 193.9782, 0.3751,
0.4050

■ 0.9618, 0.4483,
0.5517

237.0480, 0.3713,

■ 0.0000, 0.0000,

0.4002

0.0000

286.0631, 0.3679,
0.3960

■ 38.8866, 0.4127,
0.4539

■ 38.8866, 0.4127,
0.4539

■ 37.6357, 0.4260,
0.4670

■ 40.2375, 0.3975,
0.4373

■ 36.4722, 0.4368,
0.4758

■ 41.6892, 0.3812,
0.4182

■ 35.3894, 0.4449,
0.4802

■ 43.2490, 0.3644,
0.3974

■ 34.6069, 0.4496,
0.4812

■ 44.9221, 0.3477,
0.3760

■ 46.7132, 0.3315,
0.3546

■ 48.6268, 0.3162,
0.3338

■ 50.6669, 0.3020,
0.3140

■ 52.8374, 0.2889,
0.2955

■ 55.1422, 0.2769,
0.2783

Harmonies

Analogous

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



38.8866, 0.4574, 0.4063



38.8866, 0.4127, 0.4539



38.8866, 0.3444, 0.4706

Triad

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



38.8866, 0.4127, 0.4539



38.8866, 0.1839, 0.2793



38.8866, 0.3422, 0.2496

Complementary

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



38.8866, 0.4127, 0.4539



11.8167, 0.1992, 0.1583

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.



38.8866, 0.2665, 0.2205



38.8866, 0.4127, 0.4539



38.8866, 0.1837, 0.2312

Square

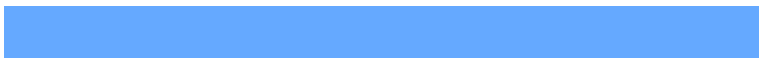
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.8866, 0.4127, 0.4539



38.8866, 0.2137, 0.3553



38.8866, 0.2115, 0.2130



38.8866, 0.4174, 0.2952

Rectangle

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



38.8866, 0.4127, 0.4539



38.8866, 0.2951, 0.4522



38.8866, 0.2115, 0.2130



38.8866, 0.3157, 0.2378

Sweetspot

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



38.8884, 0.4127, 0.4539



82.3984, 0.3427, 0.3694



15.5401, 0.4753, 0.3045



17.9445, 0.3474, 0.3756



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



38.8884, 0.4127, 0.4539



67.3856, 0.4305, 0.4709



41.7925, 0.3627, 0.4930



10.2597, 0.3267, 0.3482



23.3713, 0.4491, 0.4816



0.8886, 0.4403, 0.4886

Inverse Universe

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



11.8167, 0.1992, 0.1583



14.5050, 0.1765, 0.1190



11.1480, 0.2273, 0.1464



8.9384, 0.2984, 0.3091



3.0433, 0.1540, 0.0745



0.1785, 0.1652, 0.1145

Previews

White Background



This preview shows how the Yxy color 38.8866, 0.4127, 0.4539 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 38.8866, 0.4127, 0.4539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

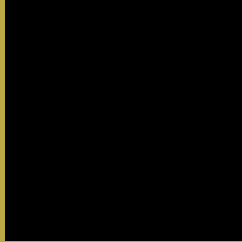
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8866, 0.4127, 0.4539

Background



This preview shows how black text looks on a background with the Yxy color 38.8866, 0.4127, 0.4539.



This preview shows how white text looks on a background with the Yxy color 38.8866, 0.4127, 0.4539.

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

38.8866, 0.4127, 0.4539

Protanopia

39.0123, 0.4137, 0.4533

Deuteranopia

38.6741, 0.4409, 0.4308



Tritanopia

38.9581, 0.3378, 0.3135

Trichromacy



Original Color

38.8866, 0.4127, 0.4539

Protanomaly

39.0123, 0.4137, 0.4533

Deuteranomaly

38.5750, 0.4311, 0.4390

Tritanomaly

38.7684, 0.3686, 0.3667

Monochromacy



Original Color

38.8866, 0.4127, 0.4539

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.7938, 0.3512, 0.3797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8866, 0.4127, 0.4539 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(186, 168, 70)` looks like.

```
.text, #text, p{  
    color:rgb(186, 168, 70)  
}
```

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(186, 168, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 168, 70) }
```

Border

The CSS property to change the border of an element to Yxy 38.8866, 0.4127, 0.4539 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(186, 168, 70) }
```

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

```
.border{ border-color:rgb(186, 168, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 168, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 168, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 168, 70);  
box-shadow:4px 4px 4px 4px rgb(186, 168,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8866, 0.4127, 0.4539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 168, 70) }
```

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

```
.background{ background-color: rgb(186,  
168, 70) }
```

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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