

Converting Colors

$Y_{xy}(37.8063, 0.4054, 0.4229)$

Have a look what the booklet for
Yxy(37.8063, 0.4054, 0.4229)
contains.

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Color

Yxy(37.8969, 0.4051, 0.4238)

Conversions

Conversions Part 1

Format	Color
Hex	BEA35B
RGB	190, 163, 91
RGB Percent	75%, 64%, 36%
CMY	0.2548, 0.3608, 0.6432
CMYK	0.00, 0.14, 0.52, 0.25
HSL	44°, 43%, 55%
HSV	44°, 52%, 75%
XYZ	36.2247, 37.8969, 15.3000
YIQ	162.8650, 39.2040, -16.6680

Conversions

Conversions Part 2

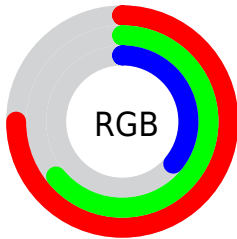
Format	Color
R _Y B	128, 190, 91
Decimal	12493659
CIE Lab	67.94, 0.68, 40.75
CIE LCh	68, 40.760, 89.038
Yxy	37.8969, 0.4051, 0.4238
Android (android.graphics.Color)	4290683739 (0xFFBEA35B)
YUV	162.8650, -35.4294, 23.7974
Hunter-Lab	61.5605, -2.6940, 28.3566

Details

The Yxy color **37.8969, 0.4051, 0.4238** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.9027, 0.2225, 0.2093**, and the grayscale version is **36.7168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0824, 0.3881, 0.4070**, and **16.8238, 0.4283, 0.4491** is the 20% darker color. If you saturate the color by 10%, you get **35.8073, 0.4239, 0.4387**, and if you desaturate by 10%, it is **40.1486, 0.3858, 0.4066**.

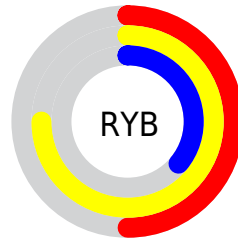
Distribution



Red (75%)

Green (64%)

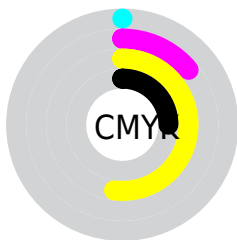
Blue (36%)



Red (50%)

Yellow (75%)

Blue (36%)

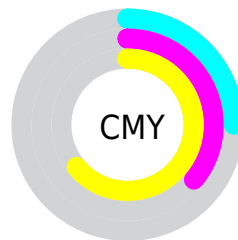


Cyan (0%)

Magenta (14%)

Yellow (52%)

Black (25%)



Cyan (25%)


Magenta (36%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8969, 0.4051, 0.4238 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 37.8969, 0.4051, 0.4238 by changing the saturation by 10% instead.


 37.8969, 0.4051,
0.4238

 37.8969, 0.4051,
0.4238


337.1775, 0.3589,
0.3766

 25.9027, 0.4160,
0.4349


 71.9501, 0.3886,
0.4070

 16.7508, 0.4294,
0.4484


 94.7778, 0.3823,
0.4006

 10.0570, 0.4456,
0.4647


 121.9856, 0.3769,
0.3951

 5.4368, 0.4673,
0.4863

 153.9576, 0.3723,
0.3903

 2.5057, 0.4908,
0.5092

191.0785, 0.3683,
0.3862

 0.8795, 0.4923,
0.5077

233.7325, 0.3648,

 0.0000, 0.0000,

0.3826

0.0000

282.3040, 0.3617,
0.3794

■ 37.8969, 0.4051,
0.4238

■ 37.8969, 0.4051,
0.4238

■ 35.8073, 0.4239,
0.4387

■ 40.1486, 0.3858,
0.4066

■ 33.8672, 0.4415,
0.4502

■ 42.5637, 0.3668,
0.3882

■ 32.0701, 0.4568,
0.4574

■ 45.1500, 0.3486,
0.3693

■ 30.4064, 0.4694,
0.4598

■ 47.9132, 0.3316,
0.3507

■ 29.1750, 0.4776,
0.4590

■ 50.8586, 0.3159,
0.3327

■ 53.9913, 0.3016,
0.3157

■ 57.3160, 0.2887,
0.2998

■ 60.8373, 0.2771,
0.2851

■ 64.0999, 0.2706,
0.2786

Harmonies

Analogous

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



37.8969, 0.4328, 0.3845



37.8969, 0.4051, 0.4238



37.8969, 0.3538, 0.4407

Triad

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



37.8969, 0.4051, 0.4238



37.8969, 0.2113, 0.3034



37.8969, 0.3224, 0.2572

Complementary

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



37.8969, 0.4051, 0.4238



18.9027, 0.2225, 0.2093

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.



37.8969, 0.2641, 0.2368



37.8969, 0.4051, 0.4238



37.8969, 0.2049, 0.2579

Square

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



37.8969, 0.4051, 0.4238



37.8969, 0.2426, 0.3653



37.8969, 0.2231, 0.2360



37.8969, 0.3835, 0.2930

Rectangle

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



37.8969, 0.4051, 0.4238



37.8969, 0.3140, 0.4314



37.8969, 0.2231, 0.2360



37.8969, 0.3017, 0.2485

Sweetspot

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



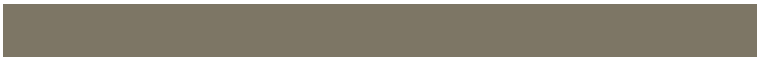
37.8987, 0.4051, 0.4238



84.6888, 0.3385, 0.3583



19.7635, 0.4172, 0.2912



18.3681, 0.3420, 0.3622



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



37.8987, 0.4051, 0.4238



64.1807, 0.4274, 0.4411



45.9794, 0.3680, 0.4626



10.6682, 0.3271, 0.3456



19.5304, 0.4766, 0.4598



0.8685, 0.4600, 0.4729

Inverse Universe

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



18.9027, 0.2225, 0.2093



26.0504, 0.2016, 0.1766



14.6730, 0.2327, 0.1727



9.6377, 0.2984, 0.3118



4.2104, 0.1599, 0.0955



0.2781, 0.1737, 0.1452

Previews

White Background



This preview shows how the Yxy color 37.8969, 0.4051, 0.4238 looks on a white background.

Color Contrast Check

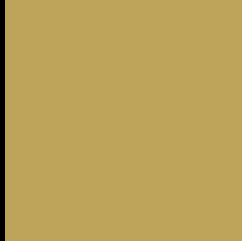
Large Text (above 18pt) WCAG AA × Fail

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 37.8969, 0.4051, 0.4238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

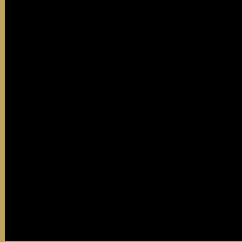
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8969, 0.4051, 0.4238

Background



This preview shows how black text looks on a background with the Yxy color 37.8969, 0.4051, 0.4238.



This preview shows how white text looks on a background with the Yxy color 37.8969, 0.4051, 0.4238.

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

37.8969, 0.4051, 0.4238

Protanopia

37.9902, 0.3940, 0.4294

Deuteranopia

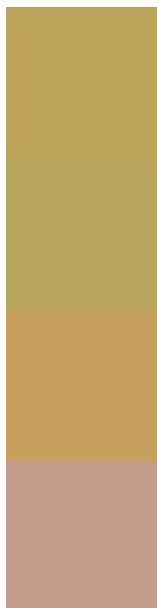
37.7830, 0.4201, 0.4121



Tritanopia

37.7347, 0.3445, 0.3135

Trichromacy



Original Color

37.8969, 0.4051, 0.4238

Protanomaly

37.9973, 0.3978, 0.4270

Deuteranomaly

37.9201, 0.4145, 0.4160

Tritanomaly

37.4474, 0.3676, 0.3532

Monochromacy



Original Color

37.8969, 0.4051, 0.4238

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.8848, 0.3461, 0.3664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8969, 0.4051, 0.4238 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(190, 163, 91)` looks like.

```
.text, #text, p{  
    color:rgb(190, 163, 91)  
}
```

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(190, 163, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 163, 91) }
```

Border

The CSS property to change the border of an element to Yxy 37.8969, 0.4051, 0.4238 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(190, 163, 91) }
```

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

```
.border{ border-color:rgb(190, 163, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 163, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 163, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 163, 91);  
box-shadow:4px 4px 4px 4px rgb(190, 163,  
91) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 37.8969, 0.4051, 0.4238$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 163, 91) }
```

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

```
.background{ background-color: rgb(190,  
163, 91) }
```

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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