

Converting Colors

$Y_{xy}(38.7648, 0.3952, 0.4190)$

Have a look what the booklet for
Yxy(38.7648, 0.3952, 0.4190)
contains.

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Color

Yxy(38.8456, 0.3952, 0.4197)

Conversions

Conversions Part 1

Format	Color
Hex	BCA662
RGB	188, 166, 98
RGB Percent	74%, 65%, 38%
CMY	0.2628, 0.3490, 0.6156
CMYK	0.00, 0.12, 0.48, 0.26
HSL	45°, 40%, 56%
HSV	45°, 48%, 74%
XYZ	36.5780, 38.8456, 17.1320
YIQ	164.8260, 34.9400, -16.4840

Conversions

Conversions Part 2

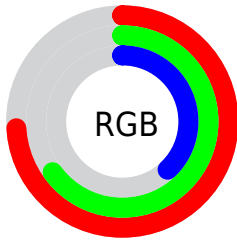
Format	Color
RYB	127, 188, 98
Decimal	12363362
CIELab	68.64, -1.14, 37.96
CIELCh	69, 37.974, 91.713
Yxy	38.8456, 0.3952, 0.4197
Android (android.graphics.Color)	4290553442 (0xFFBCA662)
YUV	164.8260, -32.9452, 20.3236
Hunter-Lab	62.3262, -4.3129, 27.3309

Details

The Yxy color **38.8456, 0.3952, 0.4197** is a light color, and the websafe version is hex **999966**. A complement of this color would be **19.6624, 0.2295, 0.2166**, and the grayscale version is **37.6886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5077, 0.3806, 0.4033**, and **17.2429, 0.4180, 0.4437** is the 20% darker color. If you saturate the color by 10%, you get **36.8928, 0.4135, 0.4362**, and if you desaturate by 10%, it is **40.9450, 0.3766, 0.4013**.

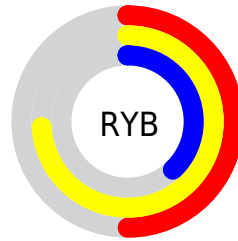
Distribution



Red (74%)

Green (65%)

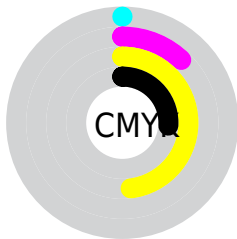
Blue (38%)



Red (50%)

Yellow (74%)

Blue (38%)

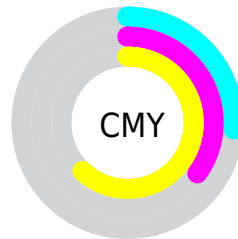


Cyan (0%)

Magenta (12%)

Yellow (48%)

Black (26%)



Cyan (26%)


Magenta (35%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8456, 0.3952, 0.4197 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 38.8456, 0.3952, 0.4197 by changing the saturation by 10% instead.


 38.8456, 0.3952,
0.4197


 38.8456, 0.3952,
0.4197

341.2336, 0.3540,
0.3741


 26.6396, 0.4050,
0.4307


 73.4024, 0.3805,
0.4033

 17.3028, 0.4171,
0.4442


 96.5220, 0.3748,
0.3971

 10.4506, 0.4320,
0.4611


 124.0483, 0.3701,
0.3918

 5.6987, 0.4502,
0.4822

 156.3656, 0.3659,
0.3873

 2.6628, 0.4816,
0.5184

193.8585, 0.3624,
0.3833

 0.9583, 0.4793,
0.5207

236.9111, 0.3592,

 0.0000, 0.0000,

0.3799

0.0000

285.9080, 0.3564,
0.3768

■ 38.8456, 0.3952,
0.4197

■ 38.8456, 0.3952,
0.4197

■ 36.8928, 0.4135,
0.4362

■ 40.9450, 0.3766,
0.4013

■ 35.0747, 0.4306,
0.4497

■ 43.1916, 0.3584,
0.3820

■ 33.3858, 0.4459,
0.4593


■ 45.5927, 0.3409,
0.3625

■ 31.8176, 0.4585,
0.4643

■ 48.1533, 0.3246,
0.3434

■ 30.3574, 0.4684,
0.4648

■ 50.8784, 0.3096,
0.3252

 30.0536, 0.4704,
0.4647

 53.7726, 0.2959,
0.3080

 56.8400, 0.2835,
0.2920

 60.0850, 0.2724,
0.2772

 62.6996, 0.2691,
0.2758

Harmonies

Analogous

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



38.8456, 0.4229, 0.3851



38.8456, 0.3952, 0.4197



38.8456, 0.3465, 0.4316

Triad

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



38.8456, 0.3952, 0.4197



38.8456, 0.2168, 0.3013



38.8456, 0.3271, 0.2646

Complementary

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



38.8456, 0.3952, 0.4197



19.6624, 0.2295, 0.2166

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.



38.8456, 0.2721, 0.2440



38.8456, 0.3952, 0.4197



38.8456, 0.2127, 0.2605

Square

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



38.8456, 0.3952, 0.4197



38.8456, 0.2443, 0.3574



38.8456, 0.2318, 0.2417



38.8456, 0.3826, 0.2992

Rectangle

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



38.8456, 0.3952, 0.4197



38.8456, 0.3094, 0.4204



38.8456, 0.2318, 0.2417



38.8456, 0.3078, 0.2559

Sweetspot

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



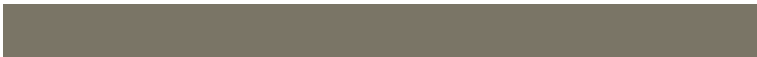
38.8474, 0.3952, 0.4197



84.2935, 0.3349, 0.3555



20.7988, 0.4089, 0.2981



17.9146, 0.3385, 0.3597



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.



38.8474, 0.3952, 0.4197



66.8478, 0.4136, 0.4363



44.8946, 0.3615, 0.4533



10.7149, 0.3270, 0.3462



20.5869, 0.4696, 0.4653



0.9029, 0.4552, 0.4768

Inverse Universe

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



19.6624, 0.2295, 0.2166



28.1668, 0.2110, 0.1881



16.4011, 0.2436, 0.1879



9.5938, 0.2984, 0.3111



3.8984, 0.1582, 0.0895



0.2591, 0.1715, 0.1375

Previews

White Background



This preview shows how the Yxy color 38.8456, 0.3952, 0.4197 looks on a white background.

Color Contrast Check

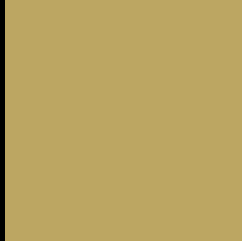
Large Text (above 18pt) WCAG AA × Fail

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 38.8456, 0.3952, 0.4197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

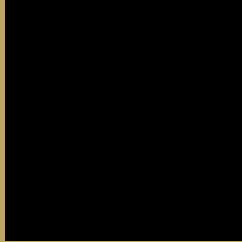
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8456, 0.3952, 0.4197

Background



This preview shows how black text looks on a background with the Yxy color 38.8456, 0.3952, 0.4197.



This preview shows how white text looks on a background with the Yxy color 38.8456, 0.3952, 0.4197.

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

38.8456, 0.3952, 0.4197

Protanopia

38.9734, 0.3881, 0.4227

Deuteranopia

38.7390, 0.4136, 0.4061



Tritanopia

38.9581, 0.3378, 0.3135

Trichromacy



Original Color

38.8456, 0.3952, 0.4197

Protanomaly

38.8526, 0.3907, 0.4208

Deuteranomaly

38.7473, 0.4071, 0.4102

Tritanomaly

38.7098, 0.3592, 0.3519

Monochromacy



Original Color

38.8456, 0.3952, 0.4197

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.7176, 0.3419, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8456, 0.3952, 0.4197 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(188, 166, 98)` looks like.

```
.text, #text, p{  
    color:rgb(188, 166, 98)  
}
```

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(188, 166, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 166, 98) }
```

Border

The CSS property to change the border of an element to Yxy 38.8456, 0.3952, 0.4197 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(188, 166, 98) }
```

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

```
.border{ border-color:rgb(188, 166, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 166, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 166, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 166, 98);  
box-shadow:4px 4px 4px 4px rgb(188, 166,  
98) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 38.8456, 0.3952, 0.4197$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 166, 98) }
```

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

```
.background{ background-color: rgb(188,  
166, 98) }
```

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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