

Converting Colors

Yxy(38.0547, 0.3859, 0.4220)

Have a look what the booklet for
Yxy(38.0547, 0.3859, 0.4220)
contains.

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Color

Yxy(37.8766, 0.3862, 0.4214)

Conversions

Conversions Part 1

Format	Color
Hex	B4A663
RGB	180, 166, 99
RGB Percent	71%, 65%, 39%
CMY	0.2941, 0.3490, 0.6116
CMYK	0.00, 0.08, 0.45, 0.29
HSL	50°, 35%, 55%
HSV	50°, 45%, 71%
XYZ	34.7127, 37.8766, 17.2934
YIQ	162.5480, 29.8510, -17.8690

Conversions

Conversions Part 2

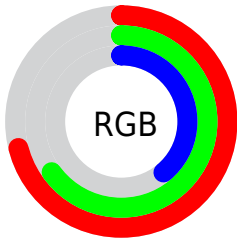
Format	Color
RYB	116, 180, 99
Decimal	11839075
CIELab	67.93, -4.37, 36.40
CIElCh	68, 36.657, 96.841
Yxy	37.8766, 0.3862, 0.4214
Android (android.graphics.Color)	4290029155 (0xFFB4A663)
YUV	162.5480, -31.3292, 15.3054
Hunter-Lab	61.5440, -7.0224, 26.4207

Details

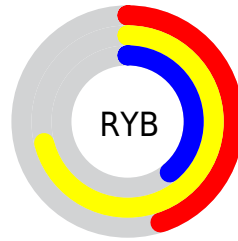
The Yxy color **37.8766, 0.3862, 0.4214** is a light color, and the websafe version is hex **999966**. A complement of this color would be **17.7681, 0.2334, 0.2150**, and the grayscale version is **36.5438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9518, 0.3729, 0.4043**, and **16.6249, 0.4056, 0.4480** is the 20% darker color. If you saturate the color by 10%, you get **36.4533, 0.4027, 0.4397**, and if you desaturate by 10%, it is **39.4076, 0.3691, 0.4013**.

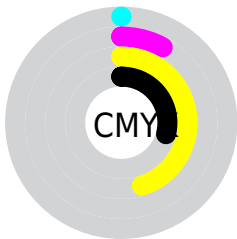
Distribution



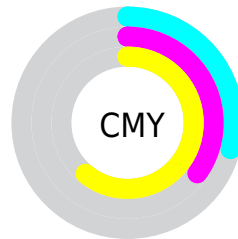
- Red (71%)
- Green (65%)
- Blue (39%)



- Red (45%)
- Yellow (71%)
- Blue (39%)



- Cyan (0%)
- Magenta (8%)
- Yellow (45%)
- Black (29%)




- Cyan (29%)
- Magenta (35%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8766, 0.3862, 0.4214 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 37.8766, 0.3862, 0.4214 by changing the saturation by 10% instead.


 37.8766, 0.3862,
0.4214


 37.8766, 0.3862,
0.4214


337.0903, 0.3495,
0.3742


 25.8869, 0.3949,
0.4331

 71.9190, 0.3731,
0.4042


 16.7391, 0.4057,
0.4478


 94.7404, 0.3681,
0.3977

 10.0486, 0.4189,
0.4666


 121.9413, 0.3638,
0.3923

 5.4312, 0.4349,
0.4908

 153.9060, 0.3601,
0.3876

 2.5024, 0.4646,
0.5354

191.0188, 0.3569,
0.3836

 0.8779, 0.4533,
0.5467

233.6642, 0.3541,

 0.0000, 0.0000,

0.3800

0.0000

282.2266, 0.3517,
0.3769

■ 37.8766, 0.3862,
0.4214

■ 37.8766, 0.3862,
0.4214

■ 36.4533, 0.4027,
0.4397

■ 39.4076, 0.3691,
0.4013

■ 35.1270, 0.4180,
0.4552

■ 41.0458, 0.3521,
0.3804

■ 33.8936, 0.4313,
0.4670


■ 42.7975, 0.3357,
0.3594

■ 32.7461, 0.4421,
0.4746


■ 44.6669, 0.3201,
0.3389

■ 31.6761, 0.4500,
0.4776


■ 46.6579, 0.3056,
0.3193

 31.1593, 0.4535,
0.4781

 48.7744, 0.2922,
0.3009

 51.0197, 0.2800,
0.2837

 53.3972, 0.2690,
0.2679

 55.5153, 0.2624,
0.2594

Harmonies

Analogous

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



37.8766, 0.4174, 0.3906



37.8766, 0.3862, 0.4214



37.8766, 0.3367, 0.4275

Triad

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



37.8766, 0.3862, 0.4214



37.8766, 0.2168, 0.2940



37.8766, 0.3365, 0.2710

Complementary

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



37.8766, 0.3862, 0.4214



17.7681, 0.2334, 0.2150

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.



37.8766, 0.2816, 0.2482



37.8766, 0.3862, 0.4214



37.8766, 0.2167, 0.2576

Square

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



37.8766, 0.3862, 0.4214



37.8766, 0.2399, 0.3470



37.8766, 0.2392, 0.2427



37.8766, 0.3887, 0.3067

Rectangle

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



37.8766, 0.3862, 0.4214



37.8766, 0.3005, 0.4124



37.8766, 0.2392, 0.2427



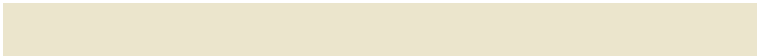
37.8766, 0.3176, 0.2617

Sweetspot

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



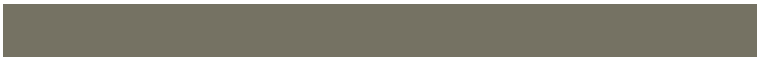
37.8784, 0.3862, 0.4214



78.1778, 0.3329, 0.3558



19.8458, 0.4081, 0.3077



16.7415, 0.3364, 0.3603



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



37.8784, 0.3862, 0.4214



66.1087, 0.4026, 0.4396



40.4516, 0.3538, 0.4477



9.6516, 0.3267, 0.3477



21.8327, 0.4530, 0.4785



0.7527, 0.4421, 0.4871

Inverse Universe

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



17.7681, 0.2334, 0.2150



25.0764, 0.2142, 0.1847



16.5608, 0.2546, 0.1997



8.4599, 0.2985, 0.3096



3.0592, 0.1548, 0.0773



0.1681, 0.1675, 0.1231

Previews

White Background



This preview shows how the Yxy color 37.8766, 0.3862, 0.4214 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 37.8766, 0.3862, 0.4214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

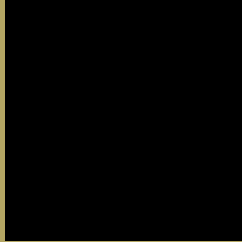
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8766, 0.3862, 0.4214

Background



This preview shows how black text looks on a background with the Yxy color 37.8766, 0.3862, 0.4214.



This preview shows how white text looks on a background with the Yxy color 37.8766, 0.3862, 0.4214.

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

37.8766, 0.3862, 0.4214

Protanopia

37.9970, 0.3872, 0.4211

Deuteranopia

37.8108, 0.4111, 0.4020



Tritanopia

37.9208, 0.3300, 0.3130

Trichromacy



Original Color

37.8766, 0.3862, 0.4214

Protanomaly

37.9970, 0.3872, 0.4211

Deuteranomaly

37.7473, 0.4018, 0.4095

Tritanomaly

37.6937, 0.3512, 0.3525

Monochromacy



Original Color

37.8766, 0.3862, 0.4214

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.8794, 0.3391, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8766, 0.3862, 0.4214 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(180, 166, 99)` looks like.

```
.text, #text, p{  
    color:rgb(180, 166, 99)  
}
```

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(180, 166, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 166, 99) }
```

Border

The CSS property to change the border of an element to Yxy 37.8766, 0.3862, 0.4214 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(180, 166, 99) }
```

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

```
.border{ border-color:rgb(180, 166, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 166, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 166, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 166, 99);  
box-shadow:4px 4px 4px 4px rgb(180, 166,  
99) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 37.8766, 0.3862, 0.4214$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 166, 99) }
```

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

```
.background{ background-color: rgb(180,  
166, 99) }
```

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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