

Converting Colors

$Y_{xy}(37.1372, 0.3884, 0.4013)$

Have a look what the booklet for
Yxy(37.1372, 0.3884, 0.4013)
contains.

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Color

Yxy(37.1372, 0.3884, 0.4013)

Conversions

Conversions Part 1

Format	Color
Hex	BBA16C
RGB	187, 161, 108
RGB Percent	73%, 63%, 42%
CMY	0.2667, 0.3686, 0.5765
CMYK	0.00, 0.14, 0.42, 0.27
HSL	40°, 37%, 58%
HSV	40°, 42%, 73%
XYZ	35.9434, 37.1372, 19.4616
YIQ	162.7320, 32.5090, -10.9710

Conversions

Conversions Part 2

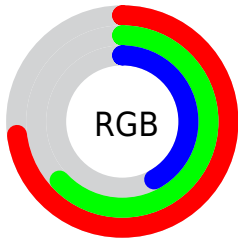
Format	Color
RYB	147, 187, 108
Decimal	12296556
CIELab	67.38, 2.18, 31.10
CIELCh	67, 31.175, 85.994
Yxy	37.1372, 0.3884, 0.4013
Android (android.graphics.Color)	4290486636 (0xFFBBA16C)
YUV	162.7320, -26.9829, 21.2830
Hunter-Lab	60.9403, -1.3638, 23.7236

Details

The Yxy color **37.1372, 0.3884, 0.4013** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **23.8219, 0.2419, 0.2434**, and the grayscale version is **36.6115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8829, 0.3739, 0.3885**, and **16.3732, 0.4102, 0.4229** is the 20% darker color. If you saturate the color by 10%, you get **34.6852, 0.4091, 0.4173**, and if you desaturate by 10%, it is **39.7838, 0.3683, 0.3841**.

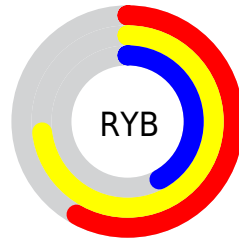
Distribution



Red (73%)

Green (63%)

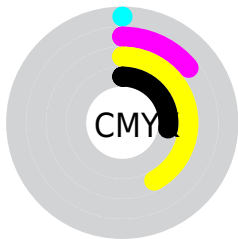
Blue (42%)



Red (58%)

Yellow (73%)

Blue (42%)

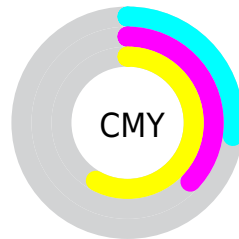


Cyan (0%)

Magenta (14%)

Yellow (42%)

Black (27%)



Cyan (27%)


Magenta (37%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1372, 0.3884, 0.4013 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 37.1372, 0.3884, 0.4013 by changing the saturation by 10% instead.


 37.1372, 0.3884,
0.4013


 37.1372, 0.3884,
0.4013


333.9041, 0.3497,
0.3647

 25.3137, 0.3981,
0.4103


 70.7837, 0.3743,
0.3880


 16.3110, 0.4104,
0.4216


 93.3756, 0.3690,
0.3830

 9.7445, 0.4263,
0.4360


 120.3258, 0.3645,
0.3788

 5.2299, 0.4471,
0.4543

 152.0185, 0.3607,
0.3752

 2.3828, 0.4986,
0.5014

188.8384, 0.3574,
0.3720

 0.8170, 0.5039,
0.4961

231.1697, 0.3545,

 0.0000, 0.0000,

0.3693

0.0000

279.3968, 0.3519,
0.3669

■ 37.1372, 0.3884,
0.4013

■ 37.1372, 0.3884,
0.4013

■ 34.6852, 0.4091,
0.4173

■ 39.7838, 0.3683,
0.3841

■ 32.4156, 0.4299,
0.4312

■ 42.6264, 0.3494,
0.3665

■ 30.3224, 0.4496,
0.4417

■ 45.6727, 0.3320,
0.3492

■ 28.3971, 0.4673,
0.4479

■ 48.9284, 0.3161,
0.3326

■ 26.6296, 0.4822,
0.4492

■ 52.3991, 0.3017,
0.3169

■ 25.3530, 0.4921,
0.4474

■ 56.0898, 0.2889,
0.3023

■ 60.0055, 0.2775,
0.2888

■ 63.9828, 0.2688,
0.2790

■ 67.0828, 0.2695,
0.2861

Harmonies

Analogous

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



37.1372, 0.4063, 0.3709



37.1372, 0.3884, 0.4013



37.1372, 0.3505, 0.4142

Triad

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



37.1372, 0.3884, 0.4013



37.1372, 0.2347, 0.3150



37.1372, 0.3159, 0.2699

Complementary

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



37.1372, 0.3884, 0.4013



23.8219, 0.2419, 0.2434

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.



37.1372, 0.2711, 0.2551



37.1372, 0.3884, 0.4013



37.1372, 0.2270, 0.2773

Square

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



37.1372, 0.3884, 0.4013



37.1372, 0.2621, 0.3617



37.1372, 0.2398, 0.2569



37.1372, 0.3630, 0.2978

Rectangle

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



37.1372, 0.3884, 0.4013



37.1372, 0.3197, 0.4081



37.1372, 0.2398, 0.2569



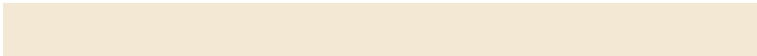
37.1372, 0.3000, 0.2633

Sweetspot

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



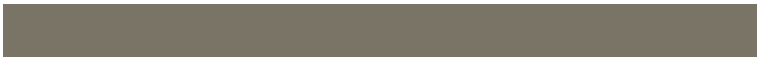
37.1389, 0.3884, 0.4013



81.2643, 0.3336, 0.3509



23.0199, 0.3833, 0.2924



17.6235, 0.3374, 0.3547



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.



37.1389, 0.3884, 0.4013



62.3048, 0.4083, 0.4167



45.5978, 0.3627, 0.4364



10.5771, 0.3272, 0.3444



17.6069, 0.4910, 0.4483



0.8045, 0.4699, 0.4651

Inverse Universe

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



23.8219, 0.2419, 0.2434



35.2408, 0.2249, 0.2197



18.3904, 0.2471, 0.2043



9.7243, 0.2984, 0.3132



4.9285, 0.1636, 0.1088



0.3153, 0.1776, 0.1594

Previews

White Background



This preview shows how the Yxy color 37.1372, 0.3884, 0.4013 looks on a white background.

Color Contrast Check

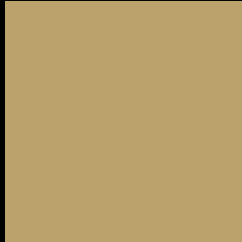
Large Text (above 18pt) WCAG AA × Fail

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 37.1372, 0.3884, 0.4013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

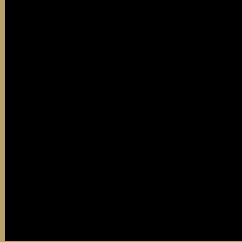
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1372, 0.3884, 0.4013

Background



This preview shows how black text looks on a background with the Yxy color 37.1372, 0.3884, 0.4013.



This preview shows how white text looks on a background with the Yxy color 37.1372, 0.3884, 0.4013.

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

37.1372, 0.3884, 0.4013

Protanopia

37.1200, 0.3766, 0.4064

Deuteranopia

37.0884, 0.4002, 0.3922



Tritanopia

37.2018, 0.3404, 0.3133

Trichromacy



Original Color

37.1372, 0.3884, 0.4013

Protanomaly

37.1223, 0.3802, 0.4043

Deuteranomaly

36.8953, 0.3954, 0.3945

Tritanomaly

37.2346, 0.3585, 0.3453

Monochromacy



Original Color

37.1372, 0.3884, 0.4013

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.5945, 0.3398, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1372, 0.3884, 0.4013 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(187, 161, 108)` looks like.

```
.text, #text, p{  
    color:rgb(187, 161, 108)  
}
```

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(187, 161, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 161, 108) }
```

Border

The CSS property to change the border of an element to Yxy 37.1372, 0.3884, 0.4013 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(187, 161, 108) }
```

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

```
.border{ border-color:rgb(187, 161, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 161, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 161, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 161, 108);  
box-shadow:4px 4px 4px 4px rgb(187, 161,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1372, 0.3884, 0.4013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 161, 108) }
```

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

```
.background{ background-color: rgb(187,  
161, 108) }
```

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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