

Converting Colors

$Yxy(37.8358, 0.3943, 0.4316)$

Have a look what the booklet for
Yxy(37.8358, 0.3943, 0.4316)
contains.

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Color

Yxy(37.8344, 0.3946, 0.4323)

Conversions

Conversions Part 1

Format	Color
Hex	B5A65A
RGB	181, 166, 90
RGB Percent	71%, 65%, 35%
CMY	0.2902, 0.3490, 0.6472
CMYK	0.00, 0.08, 0.50, 0.29
HSL	50°, 38%, 53%
HSV	50°, 50%, 71%
XYZ	34.5349, 37.8344, 15.1495
YIQ	161.8210, 33.3360, -20.4560

Conversions

Conversions Part 2

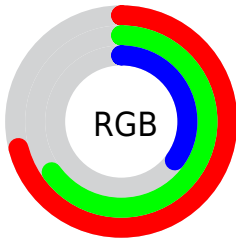
Format	Color
RYB	108, 181, 90
Decimal	11904602
CIELab	67.90, -4.84, 41.02
CIElCh	68, 41.302, 96.734
Yxy	37.8344, 0.3946, 0.4323
Android (android.graphics.Color)	4290094682 (0xFFB5A65A)
YUV	161.8210, -35.4078, 16.8200
Hunter-Lab	61.5097, -7.4221, 28.4540

Details

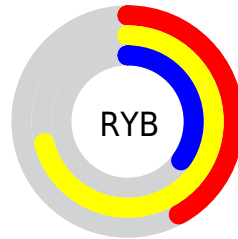
The Yxy color **37.8344, 0.3946, 0.4323** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **15.6021, 0.2228, 0.1975**, and the grayscale version is **36.1995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8430, 0.3797, 0.4133**, and **16.6303, 0.4153, 0.4598** is the 20% darker color. If you saturate the color by 10%, you get **36.4941, 0.4103, 0.4494**, and if you desaturate by 10%, it is **39.2784, 0.3779, 0.4129**.

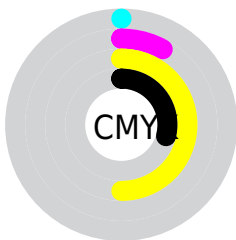
Distribution



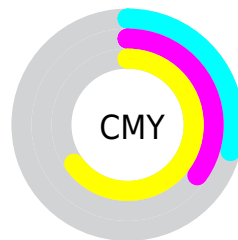
- Red (71%)
- Green (65%)
- Blue (35%)



- Red (42%)
- Yellow (71%)
- Blue (35%)



- Cyan (0%)
- Magenta (8%)
- Yellow (50%)
- Black (29%)





- Cyan (29%)
- Magenta (35%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8344, 0.3946, 0.4323 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 37.8344, 0.3946, 0.4323 by changing the saturation by 10% instead.


 37.8344, 0.3946,
0.4323

 37.8344, 0.3946,
0.4323


336.9091, 0.3541,
0.3799


 25.8542, 0.4040,
0.4450


 71.8542, 0.3803,
0.4134


 16.7146, 0.4152,
0.4607

 94.6627, 0.3748,
0.4062

 10.0312, 0.4285,
0.4803


 121.8493, 0.3701,
0.4001

 5.4197, 0.4462,
0.5074

 153.7985, 0.3660,
0.3949

 2.4955, 0.4621,
0.5379

190.8947, 0.3624,
0.3904

 0.8744, 0.4491,
0.5509

233.5222, 0.3593,

 0.0000, 0.0000,

0.3864

0.0000

282.0656, 0.3566,
0.3830

■ 37.8344, 0.3946,
0.4323

■ 37.8344, 0.3946,
0.4323

■ 36.4941, 0.4103,
0.4494

■ 39.2784, 0.3779,
0.4129

■ 35.2464, 0.4243,
0.4631

■ 40.8258, 0.3610,
0.3922

■ 34.0867, 0.4361,
0.4728

■ 42.4833, 0.3443,
0.3709

■ 33.0072, 0.4451,
0.4781

■ 44.2551, 0.3282,
0.3499

■ 32.0205, 0.4516,
0.4796

■ 46.1454, 0.3131,
0.3296

■ 48.1580, 0.2991,
0.3103

■ 50.2965, 0.2863,
0.2922

■ 52.5645, 0.2747,
0.2755

■ 54.9653, 0.2641,
0.2602

Harmonies

Analogous

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



37.8344, 0.4302, 0.3965



37.8344, 0.3946, 0.4323



37.8344, 0.3389, 0.4409

Triad

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



37.8344, 0.3946, 0.4323



37.8344, 0.2060, 0.2890



37.8344, 0.3390, 0.2644

Complementary

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



37.8344, 0.3946, 0.4323



15.6021, 0.2228, 0.1975

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.



37.8344, 0.2773, 0.2393



37.8344, 0.3946, 0.4323



37.8344, 0.2060, 0.2489

Square

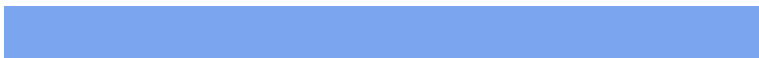
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.8344, 0.3946, 0.4323



37.8344, 0.2312, 0.3491



37.8344, 0.2305, 0.2330



37.8344, 0.3982, 0.3035

Rectangle

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



37.8344, 0.3946, 0.4323



37.8344, 0.2985, 0.4244



37.8344, 0.2305, 0.2330



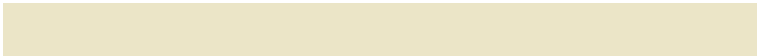
37.8344, 0.3176, 0.2542

Sweetspot

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



37.8362, 0.3946, 0.4323



77.6694, 0.3361, 0.3603



18.1535, 0.4283, 0.3077



16.6459, 0.3394, 0.3647



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.



37.8362, 0.3946, 0.4323



65.2037, 0.4114, 0.4505



40.3269, 0.3562, 0.4624



9.6638, 0.3267, 0.3479



22.1635, 0.4512, 0.4800



0.7606, 0.4409, 0.4881

Inverse Universe

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



15.6021, 0.2228, 0.1975



21.0704, 0.2024, 0.1647



14.6595, 0.2475, 0.1834



8.4487, 0.2985, 0.3094



3.0029, 0.1545, 0.0760



0.1635, 0.1668, 0.1204

Previews

White Background



This preview shows how the Yxy color 37.8344, 0.3946, 0.4323 looks on a white background.

Color Contrast Check

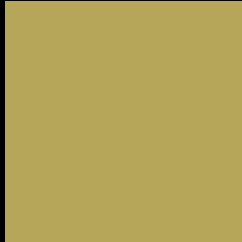
Large Text (above 18pt) WCAG AA × Fail

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 37.8344, 0.3946, 0.4323 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 37.8344, 0.3946, 0.4323

Background



This preview shows how black text looks on a background with the Yxy color 37.8344, 0.3946, 0.4323.



This preview shows how white text looks on a background with the Yxy color 37.8344, 0.3946, 0.4323.

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

37.8344, 0.3946, 0.4323

Protanopia

37.9557, 0.3956, 0.4318

Deuteranopia

37.7830, 0.4201, 0.4121



Tritanopia

37.7973, 0.3331, 0.3131

Trichromacy



Original Color

37.8344, 0.3946, 0.4323

Protanomaly

37.9557, 0.3956, 0.4318

Deuteranomaly

37.7144, 0.4106, 0.4198

Tritanomaly

37.4742, 0.3573, 0.3566

Monochromacy



Original Color

37.8344, 0.3946, 0.4323

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.4070, 0.3430, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8344, 0.3946, 0.4323 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(181, 166, 90)` looks like.

```
.text, #text, p{  
    color:rgb(181, 166, 90)  
}
```

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(181, 166, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 166, 90) }
```

Border

The CSS property to change the border of an element to Yxy 37.8344, 0.3946, 0.4323 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(181, 166, 90) }
```

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

```
.border{ border-color:rgb(181, 166, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 166, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 166, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 166, 90);  
box-shadow:4px 4px 4px 4px rgb(181, 166,  
90) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 37.8344, 0.3946, 0.4323$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 166, 90) }
```

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

```
.background{ background-color: rgb(181,  
166, 90) }
```

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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